

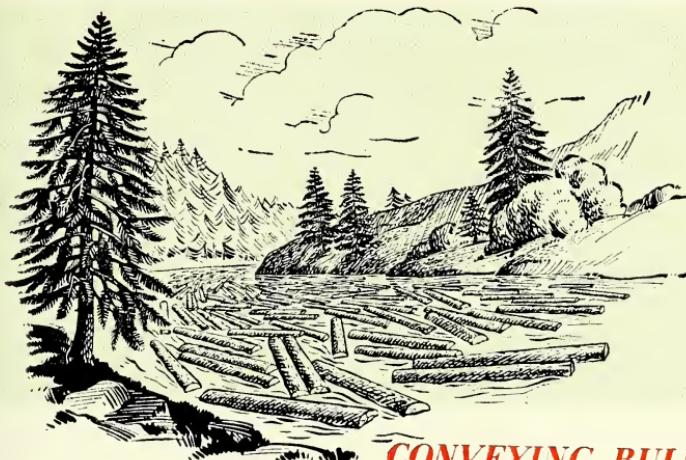
The



CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

OCTOBER 27, 1951



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for RETAILER—WHOLESALE—MANUFACTURER

OCTOBER 27, 1951

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Volume CLVI

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NEWS OF THE WEEK

D.D. Authority Withdrawn. — The Home Secretary has withdrawn from Mr. Gerald Stonehill, M.R.C.S., L.R.C.P., 121 Sherville Road, St. Andrew's Park, Bristol, his authority to possess and supply dangerous Drugs.

Travellers' Schools Appeal. — Mr. S. Walton (appeal president, Royal Commercial Travellers' Schools) asks for contributions towards the £50,000 needed equally for the maintenance of the schools to be sent to him at Kings Court, Broadway, London, S.W.1.

Proprietary Sales Unaffected. — At a meeting of shareholders of the Beecham group of companies held recently the chairman of the group (Sir J. Stanley Jones) said that the introduction of the National Health Service had had little effect on the sales of proprietary medicines.

Unusual Epidemic in Oxford. — An outbreak of an infectious disease, the symptoms which suggest Bornholm disease (see p. 560) is being experienced in Oxford and

district. The epidemic started in early September and now involves 134 known cases, 110 of them children. Doctors in the city have received a circular from the medical officer of health warning them not to confuse the symptoms with those of appendicitis.

Key Industry Duty Exemptions. — The Treasury has made an Order exempting the following articles from Key Industry Duty for the period October 24, 1951, to February 19, 1952:—*m*-Chloroaniline, ethylene chlorohydrin, ethyl sodium oxalacetate, manganese metal of a purity exceeding 99½ per cent., di-methionine, photographic film base dutiable only by reason of containing cellulose acetate as an ingredient, trichloroethylene, zinc diethyldithiocarbamate. The Order is published as S.I. 1951, No. 1839.

International Biological Standards. — The Expert Committee on Biological Standardisation of the World Health Organisation has decided to withdraw the international standard preparation of anoster-

one when the present stock is exhausted as they consider that it is no longer needed. International standards have been established for anti-A and anti-B agglutinating sera for blood grouping and are being established for dihydrostreptomycin, aureomycin and terramycin. Reference preparations for chloramphenicol and bacitracin are being prepared.

World Sulphur Allocations.—The International Materials Conference has announced the allocation of 1,467,818 tons of crude sulphur to thirty-two countries and areas during the fourth quarter of 1951. The allocation made to Great Britain is 102,300 tons and the import quota 101,000 tons. (The difference is due to domestic production or reduction of stocks). Both figures represent a cut of 4,000 tons from those of the third quarter and result from the United States reducing its export quota by 10,000 tons (see *C. & D.*, October 13, p. 493). The U.S. allocation (1,098,500 tons) represents a 75 per cent. share of the total.

Restrictions on Copper and Zinc.—A Board of Trade Order (S.I., 1951, No. 1815) extends the ban on incorporating metallic forms of copper and zinc to include combs; hair curlers; manicure instruments; open razors excluding rivets, pins and washers; ball point pens excluding ball point housings, clips, bands and friction rings, staplers and stapling machines except foot and power-operated machines; barrels, boxes, cans, jars and other containers; dispensers for hand lotions; and straws. The Order came into operation on October 15, except for a limited exemption for work in progress and stocks in hand.

Shop Window Lighting.—The Minister of Fuel and Power has issued a Licence permitting, between October 22, 1951, and April 4, 1952, the use, from sunset to closing time, of shop window lighting and of lighting to indicate that a shop is open. The fittings used must not exceed 100 watts per shop or one-and-a-half watts per sq. ft. of window floor area, whichever is the greater. The use of electricity supplied by an Area Board for other forms of advertisement lighting between 7 a.m. and 7 p.m., Mondays to Fridays, continues to be prohibited, and the restrictions on the total wattage of lamps used in shops remain in force.

Hospital Salary Negotiations.—A meeting of Committee "C" of the Pharmacem-

tical Whitley Council was held in London on October 19, to consider a staff side claim for a revision of the present salary agreement for hospital pharmacists. After hearing the views of the management side the staff side said that they wished to consult the membership. The three staff side organisations agreed subsequently to call meetings of their branches at which a full statement upon the present situation would be given. Members would then indicate what steps they wished their representatives to take. At a meeting of the staff side held later the same day, it was reported that a levy of £26 would be required as the Committee's contribution towards the expenses of the General Whitley Council, and it was agreed that the three organisations should be requested to provide funds to meet that and other necessary expenditure. Mr. Ben Smith stated that, though he would be unable to continue as secretary, he would continue his participation in the work of the committee. Mr. Smith's resignation was accepted with regret, and the Committee placed on record their appreciation of his services. Mr. A. G. Shaw was then appointed Secretary, staff side.

LOCAL NEWS

Pharmacy for Wallasey Estate.—One of twelve shops to be provided by Wallasey Corporation on a new housing estate at Moreton is being allocated as a pharmacy.

Grant to Leeds University.—Leeds University recently received a grant £500 from May & Baker, Ltd., Dagenham, for research in the department of pharmacology.

Long-service Awards.—Thirteen employees of The British Drug Houses, Ltd., London, N.1, were recently presented with long-service awards by Mr. G. F. Williams (managing director of the company). M. H. Blackmur, who had completed fifteen years' service, received a radio set. All the others had been with the company twenty-five years, except one, whose years of service totalled twenty-nine.

Test Prescriptions.—A chemist contractor who was cautioned recently by the Dudley Executive Council after a garment he had made up was shown on analysis to have an excess of 21.2 per cent. phenol, explained that his stock of liquid phenol was old and had shown signs of crystallisation.—A pharmacist who w-

recently called before the Sheffield Pharmaceutical Services Committee after analyses of samples of cotton wool and cyanide gauze he had dispensed on a test prescription had shown that the wool was not sufficiently absorbent, and the gauze discoloured, explained that the material had been stored carefully but for some time. He pointed out that the keeping properties of dressings were variable. The Committee decided to take no further action.

IRISH NEWS

Ulster Chemists' Price List.—The Ulster Chemists' Association has sent to its members a list of nearly 200 price changes, effective from October 20.

Pharmacy Retreat.—The 1951 enclosed annual retreat for men members of the pharmacy branch, St. Joseph's Young Priests' Society, is being held at Milltown Park, Dublin, November 24 and 25. Those wishing to take part are requested to make early application for places to Mr. F. P. McDonnell, M.P.S.I., 12 Somerville Park, Upper Rathmines, Dublin (telephone, 92995).

Northern President "At Home."—The president of the Pharmaceutical Society Northern Ireland (Mr. H. W. Gamble) is "at home" in Belfast to members of the Society on October 22. Films, "Control of Infection in Surgical Dressings" and "This is Salt" and a ciné film of the Harrogate conference taken by Mr. E. Campbell, Londonderry, which included many happy "shots" of the Northern Ireland members, were shown. Mr. Gamble was accorded a vote of thanks on the motion of Mr. Abernethy, seconded by Mr. T. Storey, C.B.E.

Students at work in new pharmaceutical laboratory at Heriot-Watt College, Edinburgh. The Lord Provost of Edinburgh was recently conducted over the building by the principal (Dr. Hugh B. Bell) and the head of the pharmacy department (Mr. H. H. Bell).

Pharmacist Golfers Filmed.—At the Silver Jubilee dinner of the Irish Chemists' Golfing Society in Dublin in November members are to see a documentary film on the society in action on the course. The film, a 16-mm. colour film, was made by Mr. V. Allan (a director of Slattery, Allan & Co.), and deals with all the main outings of the season.

Gaelic Athletic Club.—At the annual meeting of the Chemists' Gaelic Athletic Association Club in Dublin recently, the following officers were elected: *Chairman*, Mr. M. Hanna; *Vice-chairman*, Mr. K. Banks; *Secretary*, Mr. D. Sullivan; *Assistant secretary*, Mr. P. Cryan; *Treasurer*, Mr. T. O'Keefe; *Representative on the County Board*, Mr. E. Horan; *Captain*, Mr. C. Conefrey; *Vice-captain*, Mr. S. Conway. The Club is playing in the senior league in the coming season and appeals to interested young people in pharmacy to enrol as members.

Examination Results.—Sixty candidates entered for the October Licence examination of the Pharmaceutical Society of Ireland. The following were successful:—Peter J. Needham (with honours); James F. Byrne, Joseph F. Cosgrove, Mrs. Mary Doherty, Mary Duffy, James Haire, Josephine Lyster, Mary T. Maguire, Michael Murray, Thomas J. Murray, Eileen T. Murphy, John McDonnell, Geoffrey O'Connor, Brigid P. O'Sullivan, Mary G. O'Toole, Mary O'Donovan, Alice T. O'Neill, Ellen M. Raftery, Garrett P. Ryall, Columban P. Treacy and Mary J. Walsh.



BRANCH AND ASSOCIATION MEETINGS

Hounslow.—The session opened for the Hounslow Branch of the Pharmaceutical Society with a meeting on October 9 at which Mr. D. G. Ardley, M.P.S. (May & Baker, Ltd.) gave a lecture on "The Antihistaminics." Mr. W. H. Bowden presided.

Glasgow Pharmacists' Association.—The annual meeting of the Association of Glasgow Pharmacists was held in Glasgow recently, Mr. J. D. Mair (president, 1950-51), in the chair at the commencement. Reviewing the association's activities during the year, Mr. Mair thanked the officers and committee for their work. The annual report was read by the secretary (Mr. D. R. Brodie) and the financial statement by the treasurer (Mr. H. Kerrigan), both were approved. The following officers were elected for 1951-52: President, Mr. A. T. Munro; Vice-president, Mr. W. T. Wilson; Secretary, Mr. D. R. Brodie, 30 Derby

Street, Glasgow, C.3; and Treasurer, Mr. A. M. Malcolm.

Leeds Ladies' Section.—The first meeting of the first full year (1951-52) of the ladies' section of the Leeds Branch of the Pharmaceutical Society was held in Leeds on October 16. The guest speaker, Mr. Paul Dobson, Ph.C., addressed a packed audience on "The Management of a Modern Hospital Group." He described the conditions before and after the introduction of the National Health Service. Later two films were shown dealing with the first months of life of a premature baby, and a third showing an operation for removal of a growth from a hand. All had been made at St. James's Hospital, Leeds. The section was formed in December 1950, and its constitution and rule were recently approved. Mrs. P. Branson and Miss L. Harding have been elected Chairman and Secretary respectively.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, October 28

NATIONAL PHARMACEUTICAL UNION, Rougemont Hotel, Exeter at 2.30 p.m. South-west area conference.

Monday, October 29

CROYDON PHARMACISTS' ASSOCIATION AND BRANCH, Café Royal, North End, Croydon, Surrey, at 8 p.m. Pharmaceutical film show.

Tuesday, October 30

EDINBURGH BRANCH, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.45 p.m. Mr. G. Perrins on "New Types of Medication."

Wednesday, October 31

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY AND BRANCH. Outing to factory of Bourjois, Ltd., Croydon, Surrey. Meet at Tisbury Road, Hove, at 2 p.m.

CARDIFF PHARMACISTS' ASSOCIATION, Park Hotel, Cardiff. Annual dinner and dance.

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Bull Hotel, Dartford, at 7.45 p.m. Annual dinner. Ticket 15s.

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Queen's Hotel, Leeds, at 6.30 p.m. Annual Dinner and dance. Ticket 25s.

PORTSMOUTH MUNICIPAL COLLEGE, DEPARTMENT OF PHARMACY AND PHYSIOLOGY, at 4 p.m. Prize-giving.

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Theatre outing.

WALLASEY PHARMACISTS' ASSOCIATION AND BRANCH, Hotel Victoria, New Brighton, at 8 p.m. Dance. Ticket 13s. 6d.

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Pyne's Restaurant, Lewisham, London, S.E.14, at 6.30 p.m. Annual dinner and dance.

Thursday, November 1

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Royal County Hotel, Old Elver, Durham City, at 7.30 p.m. Members' night.

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Valentine Hotel, Ilford, at 6.30 p.m. Annual dinner, dance, and social evening.

London Branch, GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, W.C.1, at 7 p.m. Dr. J. Ungar on "The Birth of a New Drug—The Bacteriologist."

SUNDERLAND BRANCH PHARMACEUTICAL SOCIETY, Christ Church Hall, Sunderland, at 7.30 p.m. Mr. R. Cowan on "Pricing of N.H.S. Prescriptions."

Friday, November 2

EXETER BRANCH, PHARMACEUTICAL SOCIETY, Providence Methodist Church Hall, Exeter, at 7.30 p.m. Mr. C. Beaven on "Chloramycetin."

HULL CHEMISTS' ASSOCIATION AND BRANCH, Imperial Hotel, Hull, at 6.45 p.m. Informal dinner. At 8 p.m., Mr. F. C. Wilson (president, Pharmaceutical Society of Great Britain) on "Matters of Moment."

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, Carpenter's Restaurant, 3 The Pavement, London S.W.4, at 7.45 p.m. Mr. J. Wright (assistant secretary, National Pharmaceutical Union) on "EC10's and Their Problems."

LONDON PHARMACY RAMBLERS, November ramble around Danbury, Ulting and Woodhall Mortimer, Essex. Coach from Charing Cross (Embankment), London, W.C.2, at 9.30 a.m. Fares.

EXHIBITION: Photographs of Windsor Castle by H. White, F.I.B.P., F.R.P.S., Kodak Galler Regent Street, London, W.1, November 16 December 1.

TOPICAL REFLECTIONS

A.B.C.M. Annual Meeting

Your report of this year's annual meeting of the Association of British Chemical Manufacturers (p. 523) will repay careful reading by retailers as well as by people more immediately concerned. The alertness of this association is well shown in the remark of the chairman that the Association of British Pharmaceutical Industry, now dealing with the report of its productivity team returned from the United States, has the full support of the A.B.C.M. These synergistic bodies, as they may be called, are certain to exert, in combination, a material influence in any discussion on means of augmenting profitable exports and of conserving resources. Your readers will have noticed, chemical exports to the U.S.A. during the first half of the present year were about equal to those for the whole of the past year. Such result is not obtained without an effort. Congratulations by the President of the Board of Trade on this remarkable increase do not lessen the responsibility for coping with problems that will, the chairman said, undoubtedly become greater" as the rearmament programme develops. On the basis of the ascertained requirements of industries over the next five years, the new Materials Shortage Committee of the Association is working out plans for protection. Everyone will wish the committee success in its heavy task, and will endorse the chairman's tribute (at the annual dinner) that the Association "has achieved standing distinction in terms of volume, versatility and enterprise."

Chemicals in Food

The Society of Chemical Industry's recent conference on problems arising from the use of chemicals in food (p. 512), reported the same week as a lecture on a similar topic by Sir Edward Mellanby (p. 527), threw light on a subject that concerns all of us, both as citizens and in our daily work. It affects not only manufacturers of foods and drinks but also retail chemists, many of whose customers invite advice on the subject. The complexities of organic chemistry have not all been unravelled yet. That being so, it is wise for manufacturers to be before assuming that, for instance, a emulsifying chemical of superior power is innocuous because nothing is known to the contrary. Dr. H. E. Cox remarked, at the conference mentioned, that the physio-

logical properties of some of the substances lately introduced into manufacturing processes are largely unknown; and Dr. P. R. Peacock warned his audience that the latent period before the occurrence of carcinomatous symptoms varies from species to species. Moreover, as is well known, the results of experiments on small animals afford only an imperfect guide to what may happen when treatment with a substance under trial is transferred to mankind. We have to remember, too, that carcinoma is not the only thing to be feared: renal damage and agranulocytosis are among other mishaps that may have become intractable before they are noticed.

A "Profane" Observer

When looking through "Le Figaro Littéraire" of October 13, my attention was attracted by the heading "La 'Journée Pharmacétique' d'un Profane." (The French noun "profane" means an uninitiated person.) In a short "aperçu," Maurice Chapelan conveys, with typically French lightness of touch, his impressions of a pharmaceutical conference held at the Paris Faculty of Pharmacy on October 8-12. On October 9 he sampled a discussion on "les préparations injectables." Glass, he discovered, is not without mystery. For example, "sa durée d'attaque par l'eau est peu précise;" and he may have been surprised to learn from Professor Domange that very long and arduous researches on its manufacture and properties are still needed. The air of frankness in glass, he comments, is impenetrable: one never knows what it conceals. As for aqua simplex, its distillation masks a snare: the excess of precautions taken brings an increase in the number of manipulations and, accordingly, of risks of pollution. Professor Charonnat's short history of injection made the journalist shudder. In 1656, he learned, patients were given, by means of a cannula and a funnel, injections of beer, Spanish wine, milk or animal blood. The writer notes that only 200 members out of a total of 1,200 were present—a phenomenon not unknown at meetings of the British Pharmaceutical Conference. On leaving, his hand, trying for a cigarette in his pocket, touches the horse-chestnut which never leaves him; he carries it ("mais oui, vous savez bien?") as a prophylactic against rheumatism.

Xrayser

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on October 19, the president (Mr. H. W. Gamble) in the chair. Also present were Messrs. W. H. Boyd (vice-president), S. E. Campbell, F. R. Moore, J.P., C. Abernethy, H. F. Moore, H. H. Cowzer, J.P., W. P. Ewart, H. J. Cousley, M.B.E., J.P., P. R. W. Shinner, W. C. Tate, Professors E. B. C. Mayrs, M.D., and J. Small, D.Sc. The secretary (Mr. W. Gorman) was in attendance. Apologies for absence were received from Messrs. H. P. Crossin (treasurer), J. McGregor and J. Irwin.

President Re-elected

THE VICE-PRESIDENT (Mr. W. H. Boyd) proposed the re-election of Mr. Gamble as *President*. Mr. Gamble merited a second term in office, he said, because of his great services to the profession as president and as chairman of the local Pharmaceutical Committee. The forthcoming changes in the Society's regulations were largely the result of his foresight, and he should remain president until those matters had been brought to success. MR. W. C. TATE, seconding, said that Mr. Gamble's sense of duty had won their warmest regard. MR. S. E. CAMPBELL said that the proposal had the approval of all the pharmacists in Londonderry and district. Acknowledging his reappointment, MR. GAMBLE said he had become president in the Society's twenty-fifth year, which was in itself an honour. He was now doubly honoured and was deeply grateful. He owed much to the support given him during the year by Mr. Boyd.

On the motion of THE PRESIDENT and MR. H. H. COWZER, Mr. Boyd was re-appointed *Vice-president*. Mr. H. P. Crossin was re-elected *Treasurer* on the motion of Messrs. H. F. Moore and H. J. COUSLEY. The committees were re-appointed without alteration, together with the Society's solicitors and auditors.

THE PRESIDENT congratulated Messrs. Cowzer, Ewart, McGregor and Tate on their re-election to the Council. THE SECRETARY reported that the president and he had inspected the facilities for teaching pharmacy available at Omagh technical school and had been impressed by the laboratories and equipment. THE PRESIDENT said that opportunity had been taken to meet a few pharmacists in Londonderry

and to discuss matters of professional interest. It was hoped to arrange another meeting soon. A letter was received from Mrs. McDowell thanking the Council for their expression of sympathy on the death of her husband.

It was agreed that Mr. W. A. Lilley M.P.S., Belfast, should be admitted to membership under the reciprocity agreement with the Pharmaceutical Society of Great Britain.

THE SECRETARY reported that he had written to the chairman of the Local Conference Committee at Harrogate thanking him for the arrangements made for the Northern Ireland members who had attended, and had received an acknowledgement from the chairman in which he expressed the hope that the Conference would again be held in Belfast.

As statement was made by THE PRESIDENT on a meeting at which, on the request of the Ministry of Agriculture, matters of common interest had been discussed with a deputation of veterinary surgeons. He had been accompanied at the meeting by Messrs. Ewart, W. R. McNabb, Lurgan, H. G. Campbell, Ballymoney, and the secretary. The Council agreed that the Northern Ireland Veterinary Surgeons Association should be granted the use of the Society's rooms for a meeting on November 9.

Education Suggestions

Presenting the minutes of the Education Committee, THE SECRETARY said that at a meeting held on October 11, a deputation was received from the Associates Section of the Ulster Chemists' Association. The chairman of the Section (Mr. E. G. Mackle) made a number of suggestions about the educational programme for the Council to consider when making the proposed amendments. They included curtailment of the number of students entering, raising the examination standards taking the Part I examination after a course of one year's full-time study, making pharmacology a full subject, and altering the syllabus to avoid the need for so much memorising. It was also suggested that in view of the "cramming" necessary at present the final examination course should be extended to two years. Mr. G. E. McIlhagger had urged that service in a hospital pharmacy under qualified supervision should be recognised as an ap-

apprenticeship. THE SECRETARY said that all those points would be taken into consideration by the Education Committee when the new Regulations were drafted. The minutes also contained a recommendation that Regulation 47 of the Society's General Regulations should be amended so that students offering the General Certificate of Education of the University of London in the relevant subjects should be eligible for registration as apprentices. THE SECRETARY said that that was necessary in view of changes made in the Matriculation examination of the University. The minutes were approved.

Certificates of apprenticeship were granted to the following:—Mary Allen, Patrick F. Bartley, John J. Blaney, Eva C. Brock, Maurice Brown, David H. Coffey, Thomas Connolly, Thomas M.

Dillon, Thomas S. Doran, James Doyle, Samuel R. Fannin, Allan I. Frew, Lewis Hanna, John V. Hetherington, Robin E. Holliday, Philomena Hunt, Kenneth F. Kerr, Mary Millar, Patrick J. McBride, John A. McCaul, Bernard J. C. McCormack, Patrick I. O'Neill, William A. Ritchie, Kevin E. J. Shields and William M. Taylor.

The minutes of the Finance Committee were adopted.

THE PRESIDENT read a letter of greeting brought from the Registrar of the Pharmacy Board of New Zealand by Mr. William Doig, M.P.S.N.I., who had recently visited New Zealand, and it was decided to reciprocate the Board's good wishes.

It was announced that the Society's examinations would be held during the week beginning December 10.

COMPANY NEWS

New Companies

MICHELSON & CO. (SOUTH SHIELDS), LTD. (P.C.)—Capital £3,000. To acquire the business of Leslie Michelson, M.P.S., 43 Fowler Street, South Shields. Leslie Michelson and Ellen Michelson, directors.

H. CARSWELL, LTD. (P.C.)—Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Herbert Carswell, M.P.S. (managing), and Hester Carswell, directors. R.O.: 9 Humber Road, Coventry.

MIGLOSS, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in hair shampoos, soaps, etc. Arthur H. Hawkins and Edward Cackett, directors. R.O.: 6 The Broadway, Gunnersbury Lane, London, W.3.

BORAX DETERGENTS, LTD. (P.C.)—Capital £2,000. To carry on the business of selling agents and manufacturers of all kinds of cosmetics, etc. Joseph Foulks, Keith Foulks, W. Shaddick and Lawson V. Bolton, directors. R.O.: Californian Works, Albion Street, Tipton, Staffs.

BUSINESS CHANGES

MR. C. B. BLORE, Ph.C., F.S.M.C., is taking over the business of Mr. T. E. B. Wardle, M.P.S., Sark, Channel Isles, on November 20.

MRS. R. MURRAY, L.P.S.I., has taken over the business of the late Mr. M. J. Timoney, M.P.S.I., at 9 Lower Dorset Street, Dublin.

LAPORTE CHEMICALS, LTD.—An interim dividend of 2½ per cent. (same) is declared.

THOMAS MORSON & SON, LTD.—Messrs. P. Brian Martineau and Geoffrey C. Morson have been appointed directors.

TIMOTHY WHITES & TAYLORS, LTD.—An interim dividend of 12½ per cent. (same) is announced.

GILLETTE SAFETY RAZOR CO.—Consolidated profit for nine months ended September 30 was \$26,606,315 against \$4,470,766 for the corresponding period 1950.

ARNOLD M. GEE, LTD.—Consolidated trading profit for the year ended March (fifty-three weeks) was £24,870 (against £24,176 in the previous fifty-two weeks). Second interim dividend of 15 per cent. regarded as final, making 25 per cent. (same) for the year.

BOOTS PURE DRUG CO., LTD.—Mr. C. M. Dickson has been appointed general director of the company in Scotland. He will look after the company's 7 branches in Scotland, its factory at Ardrie, and its farming interests at Auchin, Angus, and Ardsignish, Argyll.

JEYES SANITARY COMPOUNDS CO., LTD. The company have recently issued £50,000 5 per cent. debenture stock privately and offered 200,000 ordinary shares 5s. each at par to shareholders on a 1 for 2 basis in order to finance expanding business and the acquisition of paper Papers, Ltd.

BIRTHS

MACKAY.—On September 30, to the wife of Robert F. Mackay, M.P.S., 90 Beech Avenue, Newton Mearns, Renfrews, twins (a daughter and son).

MARRIAGES

Golden Wedding.—WHITE—WILKINSON. At St. Jude's Church, Bradford, on October 8, 1901, James A. White, M.P.S., to Lilly Wilkinson. Mr. White still takes a small but active part in the businesses, at 63 and 157 Bradford Road, Shipley, Yorks, in which he is in partnership with his son.

DEATHS

BOWSKILL.—Recently, Mr. Ernest William Bowskill, M.P.S., 7 Roxton Gardens, Roxton, Slough, Bucks. Mr. Bowskill qualified in 1904.

HEWETT.—Recently, Mr. Leonard Edwin Hewett, M.P.S., c/o 161 Seven Sisters Road, Holloway, London, N.7. Mr. Hewett qualified in 1906.

HOWARD.—On October 17 Mr. Alfred G. Howard (president of Howards & Sons, Ltd., Ilford). Born in 1861, Mr. Howard started his association with the company in 1880, as a workman in the factory, and remained in its service for seventy-one years. In 1883 he was nominated by his grandfather, John Eliot Howard, F.R.S., to a partnership; from 1916 to 1941 he was chairman, and in 1949 he resigned his directorship to become the first president of the company. A biographical sketch of Mr. Howard was published in THE CHEMIST AND DRUGGIST, Annual Special Issue (June 30, pp. 829-30).

GLEDHILL.—At his home, Wynsar, Albert Promenade, Halifax, on October 20, Mr. Arthur Henry Gledhill, J.P. (chairman and managing director of G. H. Gledhill & Sons, Ltd., cash till and time-recorder manufacturers, Halifax). Born in 1874, Mr. Gledhill started his career by helping his father (the late Mr. G. H.



Gledhill) in his drapery shop in Halifax. In 1889 he became his father's chief assistant in experiments in making cash tills. Three years later the drapery business was sold, father and son concentrating on making tills and so laying the foundation of the future company. Elected to the town council in 1923, Mr. Gledhill was shortly afterwards chosen mayor. He was made an alderman in 1934.

KEARNEY.—In hospital at Galashiels, Selkirk, recently, Mr. William John Kearney M.P.S. Mr. Kearney, who qualified in 1903, had been in business at Station Buildings, Hawick, for forty-five years. He served his apprenticeship in Duns, Berwickshire. He was active in trade affairs locally and was also a keen bowler.

MARSH.—On October 12, Mr. Albert Edwin Marsh, M.P.S., 5 Brendon Way, Bush Hill Park, Enfield, Middlesex, aged fifty-nine.

REA.—At his residence, The Medica Hall, Rosemary Street, Roscrea, co. Tipperary, Eire, on October 19, Mr. David Rea, M.P.S.I. Mr. Rea qualified in 1902.

SIGGERS.—On June 17, Mr. George William Siggers, M.P.S., The Pharmacy, Ticehurst, Sussex, aged eighty-six.

SMITH.—Recently, Mr. Arthur C. Smith (deputy chief cashier, Boots Pure Drug Co., Ltd., Nottingham), aged forty-nine. Mr. Smith had worked for the company all his life.

WILLS

MR. W. E. CARLTON, M.P.S., 21A Beechcroft Mansions, Hopton Road, Streatham, London, S.W.16, formerly of 53 Rosemary Road, Peckham, London, S.E.15, left £1,865 (£350 net).

MR. J. CRAWFORD, M.P.S., 11 Alber Road, Wolverhampton (formerly manager of the Queen Street, Wolverhampton branch of Timothy Whites & Taylors, Ltd., left £1,120 (£1,077 net).

MR. A. H. MOLSON, M.P.S., Springfield, Pinchbeck Road, Spalding, Lincs, director of Molsons (Chemists), Ltd., New Road, Spalding, left £17,98 (£16,718 net).

MR. F. R. STEPHENS, Ph.C., 428 Russell Court, Woburn Place, London, W.C.1, at 120 Pratt Street, London, N.W.1, formerly of 84 Lancaster Gate, W.2 (chief chemist Idri, Ltd., London, N.W.1, for fifty-seven years), left £2,897 (£2,834 net).

PERSONALITIES

MR. B. MACVEAN has graduated B.Sc. (Pharm.) at Glasgow University.

MRS. P. BRANSON and Miss L. Harding, chairman and secretary respectively of the ladies' section, Leeds Branch of the Pharmaceutical Society (see p. 544), are the first women members of the Branch Committee. A biographical note on Mrs. Branson, who is an Australian pharmacist, and the wife of Mr. Peter Branson (a director of Reynolds & Branson, Ltd., Lower Briggate, Leeds), was published in the *C. & D.*, 1950, II, 427.

MR. ARTHUR STOREY, L.P.S.I. (author of a letter published on p. 563), is a handwriting expert and the author of a book on handwriting entitled "A Manual of Graphology."

MR. R. C. M. DICKSON, M.P.S., the newly appointed local director for Boots Pure Drug Co., Ltd., in Scotland (see p. 547), joined the company as an apprentice in 1923. After a period of study at the Heriot Watt College, Edinburgh, he qualified as a pharmacist in 1928. Later he managed various branch shops and was made a general manager in 1939. He spent a period in New Zealand as the company's general manager in the Dominion, and was appointed director of Boots Cash Chemists (Norfolk), Ltd., in 1948.

COLONEL R. W. WREN (chairman of ter & Clarke, Ltd.), recently sailed for South Africa, where he will visit Cape Town, Durban, Johannesburg and other cities. He will be away for two months.

MR. E. L. JUDGE has completed sixty years' service with Thomas Morson & Son, Ltd. He celebrated his eightieth birthday on October 3 and his golden wedding in 1947. In 1941 he received a gold watch to mark the completion of fifty years' service. Not wishing to retire, Mr. Judge is today working fewer hours as contact between head office and the factory at Ponders End.

MR. R. R. STOKES, southern representative of Stemco, Ltd., 128 Albert Street, Camden Town, London, N.W.1, has retired after thirty-two years' service.

MR. EDWARD GURR, F.R.I.C., F.L.S., F.R.M.S., is the author of a monograph "Fluorescence Microscopy," recently reprinted from the "Journal of the Royal Naval Medical Service."

SIR ERIC RIDEAL, F.R.S., has been appointed a member of the Advisory Council for Scientific and Industrial Research from October 1, in place of Professor H. W. Melville, F.R.S., who completes his period of service on September 30.

MR. COLIN OFFICER, M.P.S., a representative of J. F. Macfarlan & Co., Ltd., 109 Abbeyhill, Edinburgh, 8, received a presentation from the directors recently in recognition of his completion of fifty years' service with the company.



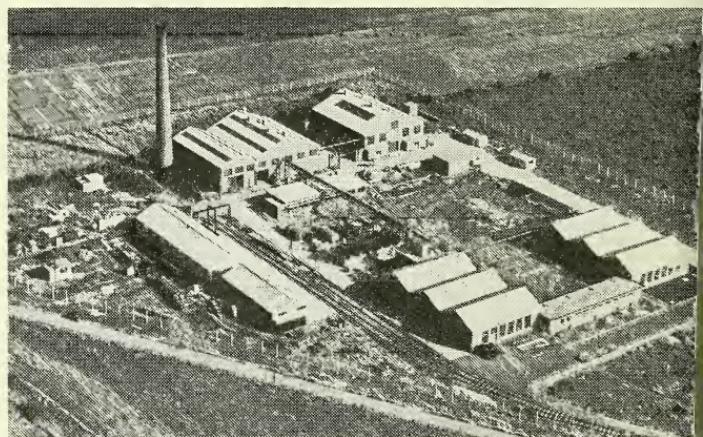
Ulster chemist golfers photographed at their annual tournament at Belvoir Park, Belfast, recently

A NEW BRITISH CHEMICAL CENTRE

THE establishment by Ciba Laboratories, Ltd., of a new works for the synthesis of organic chemicals at Pyewipe on the outskirts of Grimsby appears to set the seal on the future of the south bank of the Humber as a centre for the chemical industry. Already two chemical works were on the site (the others are engaged in the manufacture of titanium products) and the claim by the mayor of Grimsby that Pyewipe provides the ideal territory for chemical manufacturers seeking space for development seems to have found some acceptance.

The new Ciba works occupy ten acres of a 100-acre site. At present the premises are wholly occupied with the manufacture of sulphonaphthaliazole for (a) supply to the Horsham headquarters for pharmaceutical processing, and (b) export. Other Ciba products, including Coramine, Vioform and Antistin, are to be made at Pyewipe. The factory represents an achievement in the dual sense that it has speedily gone into production in the face of severe handicaps, and that it incorporates many bold and ingenious innovations in materials used and in operations short-circuited. For example, a high proportion of the piping for liquid chemicals is in black or white Alkathene, while glass valves or tubes incorporated in the circuit do duty also as flow gauges. Many improvisations have had to be made, from the main constructional materials, the choice of which had to be twice remade on account of shortages, to the processing and storage vessels, which include such attractive variants from types commonly in use as a battery of 2,000-litre "Ali Baba" stoneware jars sent as reparations from Germany, as well as ex-Army or Air Force vessels and instruments. Sections of the war-time "Mulberry harbour" have adapted themselves excellently as stages and floors. Powdered ice for cooling within

reaction vessels is made at high level and chuted direct to the vessel that requires to be cooled. Switchgear for the flame-proof room is housed outside the wall of the building. To safeguard against accidental piping of bulk alkaline liquids to acid storage tanks or vice versa the stand-pipes are not only spaced well apart but also set alongside different rail-sidings, to which



Aerial view of the new works of Ciba, Ltd., at Pyewipe, Grimsby

the tank-cars must be separately brought. In these and other ways the works manager (Mr. J. G. Bedford) and chief engineer (Mr. J. S. Palmer) have contrived to do more than merely overcome the difficulties of setting up a chemical works conditions of shortages and delays.

A dinner organised at the Town Hall, Grimsby, on October 11, served both civic opening of the new works and acknowledge help received by the company from Government Departments, the local authority, public services, contractors and members of the staff. The chairman of Ciba Laboratories, Ltd. (Mr. R. W. Neeham, K.C.), presided. The mayor of Grimsby, who proposed the toast of the company, looked forward to a long and mutually advantageous association between it and the municipality, and extolled the advantages of Grimsby and its surrounding country as sites for industrial undertakings. Dr. F. Locher, who, with Dr. Meisel, came from Basle for the occasion as representatives of the Swiss headquarters of the Ciba concern, outlined briefly the development of the organisation.

PHARMACEUTICAL SOCIETY OF IRELAND

Concluded from THE CHEMIST AND DRUGGIST, October 20, p. 522.

Annual Meeting

DISCUSSION on the annual report was continued by MR. M. F. WALSH, who said there should be an intermediate grade of pharmacy of people who looked after the business end. MR. MURPHY said the pharmacists should not be educated as research chemists. The student should be along the road to medicine. Even 10 per cent. of their young licentiates went into medicine it would do much to relieve the congestion. There was no substitute for the experience a student gained in a shop.

Sharing the Burden

MR. G. C. O'NEILL pointed out that the new education scheme would abolish the burden of night lectures" and make it possible for a student to do the entire course in five years. MR. P. A. BRADY, I.D., said the Council had given much thought to the new educational scheme. The idea was to raise the standard of the qualification. Having the first year devoted to chemistry would give an entrant chance of determining whether he liked the profession or not. He did not see how the Minister could put through a National Health Scheme without the co-operation of chemists. If they went united as a body they could make a much better bargain. The president's report was then unanimously adopted.

MR. J. GLEESON (treasurer), presenting his financial report for the year, stated that income at £5,802, whilst showing an increase under some heads, had fallen by £46, owing to decreases in registration and examination fees. Expenditure at £279 showed increases except under travelling expenses and income tax. The increase in expenditure was £484. Members' subscriptions at £1,988 showed an increase of £47. During recent years the increasing number of new licentiates had become members, and whilst there was room for improvement, the percentage of licentiates contributing to the Society's keep was satisfactory. Income from investments at £574 showed an increase of £6, but that income would be reduced in future in proportion to the amount of securities of which they might have to dispose. Cash on hand stood at £109, and investments (at

cost) at £10,602. They had had to dispose of a large portion of their securities to pay for the new premises. Mr. Gleeson said he closed the financial year with a surplus of £523. During his term as treasurer income from members had increased from £1,300 to £1,988, or about fifty per cent., and in the past ten years by almost 100 per cent. Future expenditure would be much heavier, owing—amongst other factors—to the cost of reconstructing, equipping and maintaining the new premises. Owing to increased cost of paper and printing, journals, which at present absorbed fifty per cent. of the revenue from members' subscriptions would cost more from January 1952. The publishers of THE CHEMIST AND DRUGGIST had informed them that they were forced to increase the charge to members of the Society. The increase would mean that from January 1952, sixty per cent. of the income from members would be devoted to the journal, and he was of opinion that members might be called upon for an increased subscription in the near future. The revenue commissioners had held that they were liable for income tax totalling £3,946 on registration fees for the years 1935-50. As the result of a successful appeal that claim had now been abandoned. With the auditors he wished to pay tribute to the registrar and to Miss McCarthy for the manner in which the books had been kept, and for the valuable assistance they had given him.

Worth its Weight in Gold

MR. W. J. GILL, moving the adoption of the report, said that in the circumstances it was a great thing to show a profit at all. The only discordant note was the increase in the price of the *C. & D.* MR. WALSH entirely disagreed with the previous speaker. The *C. & D.*, he said, was worth its weight in gold. He would not be opposed to paying something more by way of subscription to ensure that those employed should receive salaries that bore a fair parity to what the retail pharmacist earned. He thought the existing premises should be retained and used as a pharmaceutical laboratory, on which they should be able to make a profit. Such a laboratory would provide good openings for pharmacists who did not wish to go into

retail business. Up to now they had always been "hamstrung" for want of funds, for that reason they should receive some State aid if they were to continue as a scientific society. He seconded the adoption of the report.

MR. GLEESON said that if members would bear with the Council they would see what they could do about the library in the new premises. The officers would prefer to do without State aid if they could.

MR. A. ALLSHIRE thought the *C. & D.* was unnecessary, since, he said, it did not give much Irish news, and a great many of the technical articles were not of interest to those qualified. Would it not be possible to bring out a journal in Ireland more often and thus decrease the rising demands being made on them for the journal from Britain?

MR. GLEESON said he was entirely in the hands of the members with regard to the type of publication they wanted. He wished to hear their views on this matter.

THE PRESIDENT said the older members of the Society like himself were very fond of the *C. & D.*, and would be sorry not to see it the official journal.

MR. GILL said he had been approached by people who were prepared to bring out a journal and send it free to every Licentiate if it was made the official organ of the Society. That firm was content to repay itself with the profit from the advertisements.

MR. GLEESON mentioned that the Society always received the *C. & D.* at a special rate. If any non-member wished to get it he would have to pay a subscription of £2 a year from January next.

MR. DALY said that if people like the president wished to keep the *C. & D.* as an old friend they could pay £2 a year for it, but if a practical proposition was put before them they should definitely explore it.

International Linkage

MR. O'ROURKE said they were a small island in a big world in which pharmaceutical ideas changed rapidly, and for that reason it would be unwise to rush into anything in a hurry. To cut off a journal "international in its links" would be a disaster. For one thing alone—that was the market reports—the present journal was invaluable. At one time he thought it would be better to publish a journal of their own at home, but now he

felt it was better to keep contact with the world outside. At the same time there was a good deal in the idea put forward by Mr. Gill if it received the support of their Northern colleagues and they published a journal for the whole country. The report was unanimously adopted.

Benevolent Committee Report

Presenting the report of the Benevolent Fund Committee for the year MR. GLEESON stated that income amounted to £70, of which £511 (a record figure) was the result of efforts by the dance committee. Subscriptions other than those received through the dance committee totalled £23; interest on investments came £172. Total expenditure was £35 which left a balance of income over expenditure of £358. The satisfactory balance, said Mr. Gleeson, was due largely to the dance committee, and they owed a deep debt of gratitude to Mr. David Murphy and the members of the committee. During the year they made fifty grants at a cost of £347, or an increase of £76 on the previous year. The grants were made to old people, widow for cases of illness, for medical, hospital expenses, clothing and funeral expenses. The letters of appreciation they received from time to time proved that the grants made were of great help and comfort to their less fortunate colleagues. Of the more than 2,000 licentiates and retail druggists on the register, the majority do not contribute anything. The Fund was the Society's own charity and the assistance given was confined to those associated with pharmacy. Was it too much to ask that all Licentiates and R.D.s should make some contribution. Mr. Gleeson thanked all those who helped in the work of the fund.

MR. D. MURPHY, proposing the adoption of the report, said the Committee would be running the dance on the first Monday in December. They would be sending out the usual appeal and he trusted that all the thousand chemists in Eire would respond well. MR. WALSH seconded the adoption of the report and the motion was carried unanimously.

On THE PRESIDENT's suggestion it was agreed that future annual meetings of the Society should start at 7.30 instead of 8.30 p.m. MR. BRADY moved a vote of thanks to the registrar for his work during the year. To that vote he wished to add the names of Miss McCarthy and Mr.

Hugh Smith for their good work during the year. MR. GLEESON seconded the vote, which was carried with enthusiasm, and Mr. Coleman replied.

Council Meeting

MR. T. C. SCOTT (president) was in the chair at the opening of the October meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on October 9. Other members present were Messrs. J. P. Kissane (vice-president), J. Gleeson (treasurer), P. A. Brady, T. D., C. D. O'Shea, A. A. Toher, G. C. O'Neill, H. P. Corrigan, T. B. O'Sullivan, J. J. Roche, P. Brooke Kelly, M. Power, R. Daly, P. F. McGrath, M. Costello, Senator F. Loughman, and J. A. O'Rourke. Apologies for inability to attend were received from Messrs. C. J. Cremen and N. A. McKane. Letters were read from Mrs. P. C. Cahill, and Mr. Shane O'Neill thanking the Council for their votes of sympathy with them in their recent bereavements.

Officers Elected

THE PRESIDENT said he had pleasure in proposing that Mr. John P. Kissane should be elected to the presidency for the coming year. He had served a good and faithful apprenticeship as vice-president for the previous two years, and would make an excellent president. MR. POWER seconded. The motion was carried unanimously with applause, and Mr. Scott then installed Mr. Kissane as the new *President*.

THE PRESIDENT (Mr. Kissane) thanked Messrs. Scott and Power for their praise and said he would do his best to follow the lead of his distinguished predecessors. He then proposed Mr. Michael Costello as vice-president. Mr. Costello had ad, he said, plenty of administrative experience and as his association with the Golfing Society showed he had admirable social qualities. MR. O'NEILL seconded. MR. COSTELLO was unanimously elected *vice-president*, and in turn gave thanks.

MR. GLEESON said that he would like to retire from the office of treasurer which he had held for five years. In the past the custom had been to make the past-president treasurer. He was going to depart from that custom by asking the Council to elect Mr. H. P. Corrigan. MR. BRADY, seconding, said he was sorry to hear that Mr. Gleeson was not continuing any further. Mr. Corrigan was then declared elected as *Treasurer*, and thanked the Council for their confidence in him. MESSRS. J. J. GRIFFIN & Co. were re-

elected auditors to the Society. The whole Council were constituted the Law, Schools, House and Education Committees. The following were elected members of the Certificates and Declarations Committee, and of the Benevolent Fund Committee: Messrs. C. J. Cremen, T. B. O'Sullivan, J. J. Roche, P. F. McGrath, and J. Gleeson. Visitors were appointed to the October Licence and Assistants' examinations. The Department of Health wrote acknowledging the Council's notification of the appointment of Mr. R. F. Timoney as representative on the Therapeutic Substances Advisory Committee from August 1.

An application by Miss Bridget Patricia Elliott, L.A.H., requesting registration as a pharmaceutical chemist, was granted.

The reports of the House, Law, Schools, and Certificates and Declarations Committees were submitted and approved. The report of the last-named Committee stated that sixty-one candidates had entered for the October Licence examination and twenty-five for the Assistants' examination. THE LAW ADVISER (Mr. J. J. Gaynor) reported that at Bray district court recently proceedings had been taken against a pharmacist for having had a medical prescription compounded in the absence of a qualified person. Defendant pleaded guilty and was fined £2 10s. with £5 costs and expenses.

THE REGISTRAR (Mr. J. G. Coleman) reported that two candidates sat for the October Registered Druggist examination and both failed. THE REGISTRAR reported on the death of Mr. William Joseph Nolan, M.P.S.I., Dungarvan (see *C. & D.*, October 13, p. 483). The report of the Shrewsbury Road subcommittee was submitted and adopted.

To fill the vacancy on the Council caused by the death of the late Mr. P. C. Cahill MR. SCOTT proposed Mr. F. J. Robinson (managing director, Hayes, Conyngham & Robinson, Ltd.). MR. BRADY seconded the motion, which was carried.

Tribute to Past President

MR. O'NEILL said he would like to pay tribute to Mr. Scott for his outstanding work as president during the past two years. There was no man more consistent in his attendance at Council and committee meetings, and he had filled the office of presidency with tact and courtesy. MR. BRADY, associating himself with the tribute said he had worked with Mr. Scott for the past twenty years.

preciated his fine spirit of good fellowship. On the motion of Mr. O'Rourke the best thanks of the Council were tendered to Mr. Gleeson for his service as treasurer.

MR. POWER mentioned that the Department of Agriculture was becoming concerned about the number of doubtful veterinary preparations being sold direct to farmers by canvassers, and some action was likely to be taken in the matter.

Congratulations were extended to Mr. Coleman on passing his final law examination, and to Mr. R. F. Timoney (professor of pharmacy) on gaining his M.Sc. degree.

The following changes of address were notified: Messrs. Kieran and Patrick Flynn, L.S.P.S.I., to Le Valli, Kenilworth Road, Rathgar, Dublin; Thomas Murphy, M.P.S.I., to Falcarragh, co.

SCARBOROUGH MEMBERS' REMINISCENCES

IN early celebration of his fifty years in pharmacy, which he will have completed in two months' time, Mr. H. M. Hirst, Scarborough, opened the winter session of the Scarborough Branch of the Pharmaceutical Society, as its chairman, on October 11, with a talk on "Scarborough Pharmacists and Pharmacies of Fifty Years Ago." Taking his audience on an imaginary tour of the town, he visited every pharmacy and gave a thumb-nail sketch of the owner, with views as to the class of business carried on. He depicted personalities among customers, describing their foibles, and gave a general sketch of the town in those days, coming finally to the pharmacy of J. M. Crosby, Ltd., where he was apprenticed, 1901-05. Messrs. Crosby were celebrated in those days for the manufacture of cod-liver oil, and had an extensive agricultural connection, even to the extent of owning a sheep-dipping plant and sending men out to surrounding country firms. They were also the first purveyors of petrol in the district, and had the only paint and colour warehouse in the town. On Thursdays—market day in Scarborough—pharmacy and warehouse alike were crowded with farmers and carriers, and during Martinmas week, when all farm workers came into Scarborough from twenty miles around for "hiring," the scene was one of great activity. Business hours were from 7.30 a.m. to 9 p.m. or even later throughout the year, with no half-holiday closing. Apprentices were given from 2s. 6d. a week, rising to 10s. in the fourth year, and received one week's holiday, usually in February. As an improver, Mr. Hirst himself received 25s.

Donegal; Timothy Ryan, L.P.S.I., to Cappawhite, co. Tipperary. Preliminary registrations were reported in respect of David Joseph Butler, Pierce Delaney, Philomena Mary McGuinness, Annie Brigid Nolan and John A. Regan.

The Licence certificates of Mary Patricia Cheasty and Patrick Flynn were signed and sealed. The following were elected Members of the Society: Miss Mary McEntegart, Messrs. P. D. Drugan, E. Hayes, T. Finnegan, T. Murphy, and R. Purcell. The following were nominated for membership: Timothy Ryan, L.P.S.I., Cappawhite, co. Limerick; Miss Bridget P. Elliott, Fry Place, Athlone; and Miss Catherine P. Hannon, 59 Connaught Street, Athlone.

At a meeting of the Benevolent Fund Committee held following the Council meeting a number of grants were passed for payment.

Retired Pharmacists' Experiences

weekly, and the qualified staff had the princely sum of £2 15s. to £3 a week each. Little private dispensing was done, but stock mixtures, pills, ointments, etc., were made in bulk for the hospital and for doctors' dispensaries. During Martinmas week, gallons of hair oil were sold to the farm workers to last them a year. The oil was composed of colza oil perfumed with citronella—to keep flies away! Almost every customer also bought a supply of aperient pills, made on the premises. Anti-smut corn dressing (sulphate of copper disguised with soot and packed in 1-lb. bags) was made by the quarter ton. Many grosses of aloetic horse balls were massed as required, and cattle drenches were prepared by the dozen. Except in emergency, no packed lines of any description were bought, every imaginable item being made and packed.

Retired Pharmacists' Experiences

Mr. Hirst's recollections were augmented by those of two retired pharmacists—Mr. W. H. Turner—the first manager for Boots, Ltd., Scarborough—still hale and active at eighty-five, and Mr. W. H. Newton, who at that period was with the "classic" pharmacy of Clare & Hunt. At that establishment no loose drugs were sold, and the assistants were required to wear full morning dress. The window recess contained only two specie jars and a line of coloured chemicals in flat glass lidded jars. One day, during Mr. Clare's temporary absence, the senior assistant had had the temerity to place some large bath sponges on show, but was promptly told to remove them when the owner returned

TRADE NOTES

C. & D. RETAIL AND DISPENSING PRICE LIST

THE drug index for the month is 206.7.

Extension to Range.—C. L. Bencard, Ltd., Great West Road, Brentford, Middlesex, are introducing a 250-tablet pack of Ferraplex B.

Change of Pack.—Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, have introduced a new pack for their N.H.S. self-adhesive chiropodial plasters, thin, medium and thick.

Sample Scheme.—DDD Co., Ltd., 94 Rickmansworth Road, Watford, Herts, are making available to readers of "Woman" a sample of their new preparation Cos-medin skin beauty lotion.

Now Under Trade Name.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that *l*-thyroxine-sodium, Glaxo, is now supplied in both strengths under the trade name Eltroxin. There is no change in packs or prices.

Touring Christmas Displays.—H. Mitchell & Co., Ltd., Grosvenor House, Grosvenor Road, Belfast, sales agents in Northern Ireland for Goya, Ltd., London, W.1, are visiting their chemist customers with a caravan containing a display of Christmas lines.

Again Available.—William Martindale Wholesale, Ltd., 14 Bruton Place, New Bond Street, London, W.1, announce that supplies of Buccaline, "the original Swiss preparation for immunisation against colds and influenza," may now be obtained from trade wholesalers or direct.

Re-packed.—Illustrated alongside is the new pack of Multivite adopted by The British Drug Houses, Ltd., Graham Street, City Road, London, N.1. The bottle contains fifty pellets and is available in display cartons.



Change of Presentation.—Allen & Hanrys, Ltd., Bethnal Green, London, E.2, state that the bulk containers of Nonad tulle and penicillin Nonad tulle have been changed to hold thirty-six pieces instead of thirty and forty as formerly. All orders patched on and after October 15 will be charged at 116s. doz. for Nonad tulle (2 x 6 in.) and 42s. doz. for penicillin Nonad tulle (2 x 2 in.).

Cost.	Item.	4 oz.		1 oz.	1 dr.
		s. d.	s. d.	s. d.	s. d.
71 oz.	Aloinum ...	—	—	—	1 8
120 lb.	Anthemidis flores exot.	4 3	1 2	0 2	
51 lb.	Confectio sennaæ ...	1 10	0 7	0 1	
72 lb.	Elixir simplex B.P.C. ...	2 10	0 10	0 2	
174 oz.	Ephedrinaæ hydrochlor.				
	P.t. (8) per gr.	0	1	4	2
142 dr.	Ext. Cannabis indicaæ				
	D.D. per gr.	0	6	—	
148 oz.	Ext. ipecacuanhaæ				
	liquidum	—	—	3 6	
75 lb.	Gelatinum zinci ...	2 9	0 9	0 1	
90 lb.	Gelat. zinci et ichtham.				
	B.P.C.	3 3	0 11	0 2	
75 lb.	Liq. iodi aquos.	2 10	0 9	0 1	
66 lb.	Ol. ricini opt.				
	16 fl. oz. 7/9	2 3	0 8	0 1	
42 lb.	Pasta picis carb. B.P.C.	1 6	0 5	0 1	
204 oz.	Podophylli resina				
	(peltatum)	—	—	4 10	
66 lb.	Sennae fruct. Tinney.	2 5	0 8	0 1	
84 lb.	Spt. ætheris nitrosi ...	2 7	0 9	0 1	
231 1/4 lb.	Pulv. tragacanthæ ...	—	8 2	2 5	
		16 oz.	4 oz.	1 oz.	
34 lb.	Emuls. paraff. liq. co.				
	B.P.C.	4 3	1 3	0 4	
33 lb.	Emuls. paraff. liq. B.P.C.	4 0	1 3	0 4	

PRICE CHANGES

(I.R.P. = Inclusive Retail Price)

Doz. Tax I.R.P.

A. Wander, Ltd. (from October 26)
Vimaltol 1-lb. 30 6 3 6
2-lb. 54 0 6 3

The British Drug Houses, Ltd.
Leptazol, B.D.H., 10% solution,
1/2 fl. oz. each 2 0 3 0

Tell Products, Ltd.
Aspirin tablets 25 gross 52 0 1 0
50 gross 86 0 2 6
100 gross 132 0 1 4 1/2

Pharmaceutical Specialities (May & Baker), Ltd. (from October 22)
Ephedrine hydrochloride

tablets, gr. 1/4 25	1 0
100	2 6
gr. 1/2 25	1 4 1/2
100	3 9
500	14 3
1,000	27 9
gr. 1 100	6 3

Additions and Alterations to Protected List (Part 1) of the Proprietary Articles Trade Association

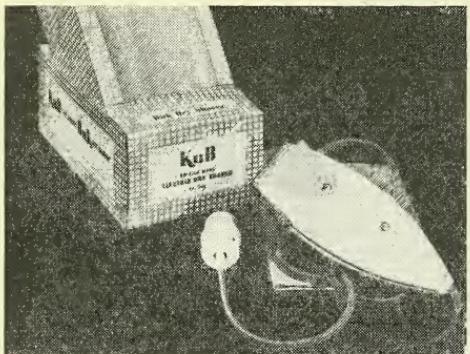
Howard Lloyd & Co., Ltd.
Drenalginco, Lloyd ... 63 0 33 1/2 9 6

Scott & Turner, Ltd.
Delrosa rose-hip syrup. 31 6 Nil 3 6

Southall Brothers & Barclay (1935), Ltd.
Southall's compound malt

and oil 1-lb. 31 0 Nil	3 9
2-lb. 57 6 Nil	6 9

A. Wander, Ltd.
Wander brand malt extract, 1-lb. 20 9 Nil 2 3
2-lb. 39 6 Nil 4 3
malt and oil, 1-lb. 22 9 Nil 2 6
2-lb. 43 0 Nil 4 9



Kub electric dry shaver. (Chilton Electric Products, Ltd.)



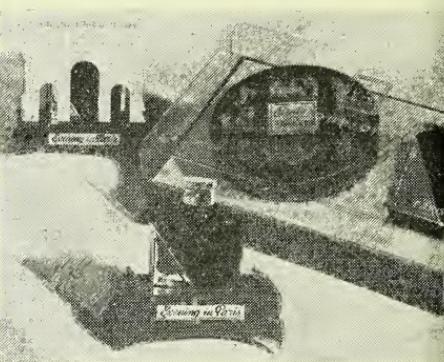
Drene shampoos in "Christmas dress," which features film stars (Drene, Ltd.).

A CHRISTMAS pack resembling a book, designed to hold Enriched hand cream, Deep cleansing milk, and Blue Rain skin tonic is being issued by Colloidal Chemists, Ltd. Cinets' Old English pot-pourri in transparent boxes is being featured for Christmas presents by Warrick Bros., Ltd. The Remington Contour 6 electric dry shaver, with six diamond-honed heads, arched on a contour to fit every type of face, is being backed by a powerful advertising campaign for the Christmas trade. The makers are Remington Rand, Ltd.

Muffin the Mule, Peregrine the Penguin, Louise the Lamb, in 3-oz. moulded tablets of soap. White picked out in colour (Distributed by Castle Soaps of Cambridge, Ltd.).



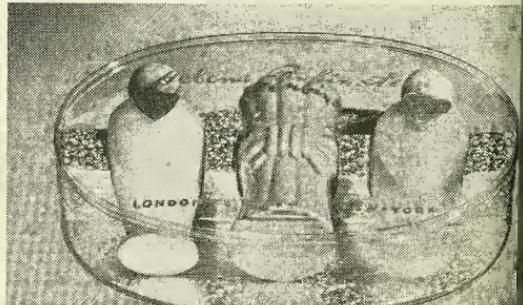
FURTHER PERFUME ITEMS FOR THE



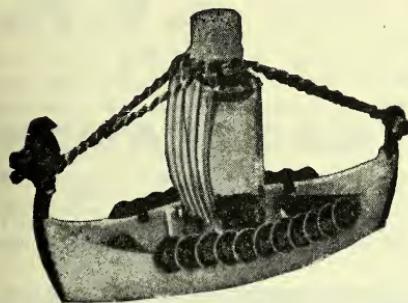
Evening in Paris in plastic replica of the Marble Arch, London. Coffret containing Evening in Paris face powder and perfume. (Bourjois, Ltd.).



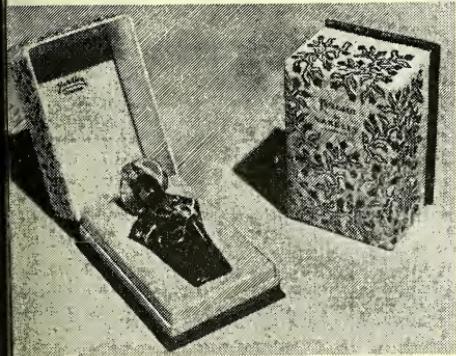
Below: Transparent box, containing spray bottle of Apple Blossom skin perfume dusting powder, a tablet of bath soap. Also in Green Velvet perfume (Helena Rubinstein, Ltd.).



Y AND TOILET RISTMAS TRADE



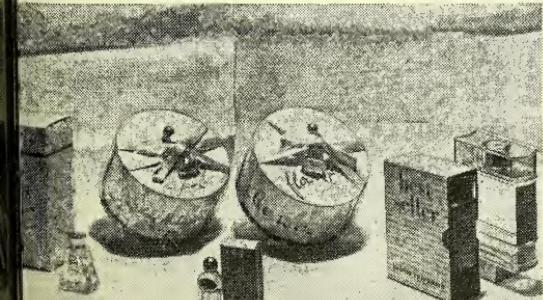
Bottle of Blue Orchid perfume in Viking ship novelty pack. Packed in carton. (Delavelle (G.B.), Ltd.)



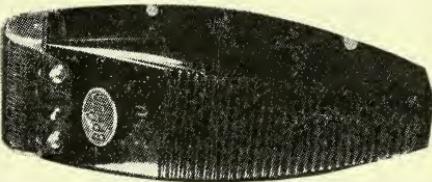
Above: Freesia perfume (Yardley & Co., Ltd.).

Left: Blue Orchid coffret of toilet soap and Cologne (Delavelle (G.B.), Ltd.).

Toilet water and perfume in triangular bottles. Apple Blossom perfume in shaped (French) bottle. Dusting powder in round boxes plus matching perfume of Apple Blossom or Green Velvet. Best Seller skin perfume in book pack. (Helena Rubinstein, Ltd.)



Christmas crackers. Red: Decision and Pink mimosa; green; No. 5 and Goya heather; yellow: Gardenia and Great Expectations (Goya, Ltd.).



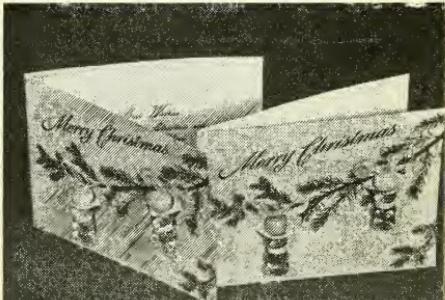
Braun S 50 electric dry shaver (Marketed by Braun (Bletchley), Ltd.).

National advertising commences in November for the Allure perfume hair brush of G. B. Kent & Sons, Ltd.

D.D.D., Co., Ltd., have added a Christmas device to their Cosmedin pack so that it can be used as a Christmas gift. Also being distributed by the company are Christmas tree crowners for their packs. Zenobia, Ltd., have issued a new Christmas display stand.

Jean Sorelle, Ltd., are marketing a number of Christmas bath-salt novelties, including Champagne bubble bath.

Christmas card with two phials of perfume "suspended" from branches of Christmas tree. Available in Decision, Pink mimosa, No. 5, Goya heather, Gardenia, and Great Expectations. (Goya, Ltd.).



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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

VOL. CLVI OCTOBER 27, 1951 No. 3740

Brandy on Prescription

A DECISION of some moment was taken by the Board of Referees appointed under the National Service Act when they announced recently that a medical practitioner was justified in prescribing brandy in a case that had been referred to them. The doctor concerned had prescribed, between December 24, 1949, and January 16, 1950, three half-bottles of brandy for a woman who had recently been discharged from hospital with incurable carcinoma of the bronchus (she died on March 6, 1950). The instruction on the prescription was that the brandy was to be used for making up to one tablespoonful the dose of a preparation consisting of morphine, cocaine, colouring matter and syrup in the proportion of seven parts brandy to one of the preparation. The local Executive Council for the County of Middlesex upheld its Medical Committee's decision that brandy was not a drug which the Council had to provide. The matter was then referred to the Board of Referees. The doctor said that the mixture had been recommended by a radio-therapist. Its object was to relieve pain mentally and physically, and the function of the brandy was, in principle, the same as the function of bromide given to relieve a mental state. That object had been achieved for, when seen early in 1950, the woman was optimistic about the future. When the doctor was informed that the brandy would be disallowed, he substituted chloroform water, which did not

have the same effect. The Board decided that the brandy could have had some therapeutic effect in deadening the pain. Relief of anxiety caused by the knowledge that death was imminent was, in the Board's view, as much a pharmacological purpose as was the relief of sleeplessness by sleeping draughts. Moreover, the Board's predecessors had held, under the National Health Insurance Acts, that "brandy in an exceptional case can be a drug where it is prescribed for a pharmacological purpose"—for example, when it was prescribed for a patient who was suffering from bronchopneumonia and was dying. It should be noted that the decision is, as it must be, on the merits of the particular case, and does not affect the general responsibility of an Executive Council to disallow (to the prescriber) substances that are not drugs. It represents, nevertheless, an important vindication of the principal that the doctor must be the ultimate arbiter of what is best for his patient.

Overseas Trade in September

THE value of United Kingdom exports in September was £208.2 millions — £16.0 millions (7 per cent.) below the average for the previous two months. The export price index (1950=100) moved up by one point to 125 and, in terms of volume, September exports were 9 per cent. below the July-August average. In the third quarter as a whole, exports amounted to £655.9 millions, an increase of £35.7 millions over the average for the first half-year. The rate of exports by value in the first nine months of 1951 has been 17 per cent. more than for the year 1950. The increase in volume over the 1950 average is provisionally estimated at about 3 per cent. Imports in September totalled £337.3 millions, £31.2 millions lower than in August. The value of total imports in the first nine months of 1951 has amounted to £2,919.1 millions, against £1,907.9 millions in the same period of 1950. With total exports, including re-exports, reaching £1,993.7 millions, the excess of imports (c.i.f.) over total exports (f.o.b.) was £925.5 millions, against an aggregate of £348 millions for the whole year of 1950.

United Kingdom exports to the United States in September, valued at £9.6 millions, were £3.3 millions less than in the previous month. The sharp decrease, from the August level, was spread among most of the major groups of commodities, including that of chemicals, drugs, dyes, etc. (£464,779 against £1,847,058 in the previous month).

Australia the best Customer

Total exports of the chemicals group amounted to £11,238,349, the lowest figure recorded for six months. Australia was the biggest customer, taking goods valued at just over £1 million. The value of drugs, medicines and medical preparations (£2,639,490) was also the lowest for six months (except June, £2,615,335). Proprietary medicines at £575,831 were slightly up on August (£559,775), but below the average for the preceding four months. During the nine months of 1951, exports of proprietary medicines totalled £5,096,026, against £3,530,743 for the same period of 1950. Quinine exports were well below average for the year (£26,433 against £40,765), and the exports of aspirin (£62,461) were the lowest since May (£59,280). On the other hand, insulin (£38,486) and cosmetics (£196,478) were the highest since May (£62,041 and £202,101 respectively). Penicillin had a setback during the month, when salts totalled £396,329 and preparations £99,141. For the first month this year, penicillin preparations have not reached six figures. Ointments and liniments (£103,935) were slightly higher than in August (£100,276), but toothpastes, etc. (£87,295), were less than half the August value. Perfumed spirits amounted to £78,078, and essential oils to £89,218. Exports of toilet soap (£215,121) were the lowest since February, a short working month (£175,590). Perfumery and toilet preparations totalled £478,701, against £606,074 in August and £385,209 in March.

Imports of chemicals, drugs, dyes and colours amounted to £5,620,863, of which £1,351,106 came from the United States. Menthol imports for the month were valued at £43,231.

Bornholm Disease

BORNHOLM disease, which seems to be the infection that has recently (see p. 541) been epidemic in Oxford, is a disease rare in Britain. The previous outbreak was in Yorkshire in 1933. The new outbreak particularly unwelcome because so little is known about the disease and the means of combating it. The medical officer of health for Oxford and his deputy ("British Medical Journal," 1951, 2, 948), in describing the symptoms, state that the onset has been sudden, with severe pain in the upper abdomen or lower thorax (abdominal pain is reported more frequently among children). The pain is spasmodic and worst at the onset, mothers reporting that their children had been "double up" by it. All cases have had some rise of temperature. The symptoms appear to be similar to those recorded in Yorkshire in 1933¹. Recovery, according to both reports, takes from four to six days. The disease takes its name from an island in Scandinavia, where it has been prevalent. Three thousand cases were reported in Copenhagen in 1930. Dr. Egnar Sylves, Copenhagen, has described the disease as "an infiltration of the muscles," and has called it myositis acuta epidemica. In the U.S.A. the disease was first described in 1888, and in 1923 was named "epidemic transient diaphragmatic spasm." A virus is suspected as the cause. The Oxford doctors suggest that the Coxsackie group of viruses may be involved in the disease and that possibility is being investigated. Writers on the disease appear to agree that the treatment is symptomatic, and that codeine, aspirin and salicylates are of some value. Routine treatment involves the use of salicylates and at night barbiturates. Droplet infection is considered by some workers as likely cause of the spread of the disease, though food-borne and milk-borne infection cannot be excluded. In America², suphonamides, vitamin B₁ and neostigmine have been tried without beneficial result.

REFERENCES

1. Pickles, W. M., "British Medical Journal," 1933, 2, 817-818.
2. Nichamin, S. J., "Journal of the American Medical Association," 1945, 129, 600-05.

AFTERTHOUGHTS ON THE ACCEPTED TERMS

By Delegatum

NOBODY would claim that the National Health Service was instituted for the benefit of the professional elements taking the chief part in its administration, but one would not, on the other hand, expect those agents to be used merely as tools, or to be worse off as a result of machinery intended to provide benefits to the public at large.

Rosy Prospects that Faded

Of all the professional units engaged in the administration of the Health Act, pharmacists seem to have profited to a less extent than any other group. Rosy promises were common enough early in 1948, and N.H.I. contractors were rather led to believe that the old era of inadequate fees and unsatisfactory terms was coming to an end. The terms finally offered to pharmacists for the work of dispensing N.H.S. prescriptions appeared to be more generous than those they had enjoyed under the N.H.I. scheme, and contracting chemists entered upon the new period of service in July 1948 in better heart than they had been for many years. That ebullient optimism did not last long. Owing to the inadequate arrangements officially made for pricing the greatly increased number of prescriptions issued (an increase which prudent planners should have anticipated), chemists' payments soon fell into arrears. Gross under-estimation of the scope and cost of the new Service, offered free to a medicine-loving public, caused expenditure on different sections to reach unprecedented levels, and under Exchequer pressure schemes were ultimately introduced for securing economies. The economies have seemed, in the event, to operate chiefly at the expense of the professional persons engaged in providing the different services to the fortunate beneficiaries. Thus, the issue by doctors of prescriptions for certain preparations was checked. The chemists' container allowance was cut by half. The agreed allowance for profit on drugs and establishment expenses was arbitrarily reduced by rather more than half. During all that time the payment of chemists' accounts grew less accurate and more in arrear. Three years have now elapsed since the N.H.S. contract began to operate, and for more than half that time chemists, who have

throughout faithfully maintained, in spite of many difficulties and obstacles, an efficient pharmaceutical service, of a standard of quality which no-one has questioned, have—for so long that the state has come to be looked upon as normal—been in ignorance of the amounts due to them and of the times at which payments in full would be made to them.

The present system of pricing prescriptions falls short of the desideratum of accurate computation. It has been adopted as a short-cut expedient for securing working results to be used as a basis of making payments to contractors for material actually supplied and work actually done. It is founded on a method of averaging out the value of the larger proportion of all prescriptions submitted for payment. But while it may, within narrow limits, insure the Treasury against overpayments, and produce a closely approximate figure of value for prescriptions as a whole, it does not necessarily take account of all individual variations in value in the prescriptions submitted for pricing by single contractors. In few instances is it likely to represent an accurate assessment of value according to the principles laid down in the Drug Tariff.

Standards Relaxed?

The present method of ascertaining prescription values by approximation has grown up through force of circumstances. It has been adopted because, admittedly, the original system of pricing by accurate and individual calculation cannot be carried out under present arrangements. It is nevertheless interesting to turn back the pages of Drug Tariff history, and quote from a report issued by a Government committee in which a system approved by pharmacists for pricing prescriptions is condemned in these words:—

The document "is pervaded by a system of balances and compromises to ensure the fairness of its ultimate yield."

"It is an instrument which determines . . . the remuneration of chemists . . . and upon the equity and reasonableness of which it is essential that (one) should be able to rely."

"It is not to be expected that sufficient confidence can be reposed upon a document which requires for its justification a detailed knowledge of a series of empirical compromises."

It becomes clear how absolute accuracy

was assiduously sought after in those far-off days! The document criticised was the 1915 Drug Tariff, for the compilation of which pharmacists were primarily responsible, and the report was that of the Departmental Committee which laid the foundations of the "commercial" (decimal) Drug Tariff. If the designers of the present-day "five-bob bundle" method of prescription pricing — which would certainly shake the standards of accuracy adopted by either Archimedes or Galileo in their days—wish to avoid similar criticism, the way of escape surely lies in a reversion to the only accurate system: detailed and total pricing at the earliest possible moment.

Opportunities for Statesmanship

Uncertainties of pricing, and delays in payment, are probably the greatest grievances now obsessing the minds of contracting chemists. To an outside observer the whole matter must appear beyond belief or understanding. That a private firm should get into monetary difficulties while carrying on business is not unheard of, but that the Government of the country should fail, and fail signally, in its obligations to one section of the community in order to redeem its promises to another section must be unique in the political history of this country. There are two stages at which Government statesmanship has failed to rise to the occasion—when the cuts in (a) container allowance and (b) oncost were made. One can perhaps understand that the Government felt compelled to take those arbitrary actions in the interests of the solvency of the Health Service, but surely an astute employer, faced with the necessity of reducing payments to an employee, before imposing reductions in future remuneration, would take steps to complete any arrears of payment. Yet at neither of the stages mentioned did the Government take any high-pressure action to make the payments due to date. Today, when the negotiations on terms between chemists' representatives and the Ministry of Health would have led one to suppose that some attempts would have been made to placate the aggrieved parties, more prescriptions than ever are being paid for on an average basis, chemists know with less certainty than ever before what the total of the Government's indebtedness to them is, and the fact has been disclosed that, although one month's work can now be dealt

with in a one-month period, 170 million unpriced prescriptions are lying on the shelves of the pricing offices throughout the country waiting to be examined.

Is it really too much for pharmacists to expect that, now they have agreed to the Ministry's terms, some special, super, executive machinery will be put to work in the pricing offices so that chemists' long-standing credits may be paid off and up-to-date pricing may become once more a normal procedure? All protests by pharmacists at present are met by the statement that the enormous increase in prescription numbers could not have been foreseen, and that the extra pricing cannot be completed by any speedier means than those at present adopted. Those excuses are reiterated so frequently that chemists are now almost beginning to believe that they themselves must in some way be responsible for the present position, instead of being helpless agents charged with the duty of dispensing whatever orders are presented to them, however excessive or costly, by members of the public who have successfully obtained them from complacent doctors.

"Unhappy History" of Participation

The Pharmaceutical Committees' Conference in July marked a fresh stage in the unhappy history of participation in the Social Services. At that Conference the chairman's explanation of the events of the year to date ran somewhat like this:—

Early in February the chemists' case had been presented to the Ministry, and from that time until recently only one communication had been received. That was a request for the clarification of certain points. Later the Committee were invited to meet representatives of the Ministry. That meeting had lately taken place and it had been made clear that the only question before the pharmacists was the figure of oncost.

The offer now before the Conference was not the original offer made by the Ministry (an offer of 25 per cent, oncost with a backlog of prescriptions), which the Committee had firmly refused. After much argument the present offer was made to the Committee, which could have refused that also but had decided, on grounds of expediency only, because of the alleged financial stress experienced by some contractors, to let the Conference decide this question for themselves.

Here also are the arguments of the optimists, present in the Conference Hall in large majority, as they formulated their faith in the pharmaceutical future:—

If they refused this offer they would be faced with a very stiff fight with the Ministry. If they

accepted the position would be cleared up and they would be free in April to make a request for reconsideration of the dispensing fee.

This was a golden opportunity of clearing up arrears and starting afresh with good prospects.

By preparing a good case for next April they would have a far greater chance of success than by going before an Arbitration Board now on the question of an increase in the oncost over 25 per cent.

The Contractors' Committee must at once proceed to make out a case for improved terms based on higher costs of living, increased all-round expenses, and the higher present-day cost of maintaining an efficient pharmaceutical service.

As is now well known, the proposal to

agree to the Ministry's offer was acceptable to the large majority of the delegates assembled at the Conference. And so there the matter of chemists' remuneration for dispensing N.H.S. prescriptions continues to rest. For the next few months the ideas conceived at the Conference are developing and fructifying, finally to burgeon in the case to be presented to the Ministry of Health by the Contractors' Committee.

As a result, shall we, as pharmacists, exclaim next Spring (exulting though misquoting) "Tis well to be in England now that April's here!" I wonder.

CORRESPONDENCE

**Letters may be sent for publication
correspondent must furnish his real**

**under an assumed name, but the
name and address to the Editor**

Opportunities Real and Illusory

SIR,—I was much interested in "Ulster Chemist's" letter (*C. & D.*, October 13, p. 494). It is some years since I first wrote about a somewhat similar idea. I know of a place in which a co-operative opened a shop two doors from a chemist already established in a town of just over 4,000 inhabitants, bringing the total of chemists established in the town to three and making an average of 1,333.3 persons per shop. I suggested in one of my letters that the "young qualified" should think well before committing themselves to any unqualified body. The warning is still valid.

SCOTTISH CHEMIST.

Pharmacists not Graphologists

SIR,—Illegible prescriptions have always been a source of irritation and delay to the pharmacist and, as has frequently been shown, a potential source of grave danger to the patient. Skill in deciphering should not be any part of the pharmacist's expected accomplishments. Plain and easily read writing should be the only kind permissible in such an important document as a prescription. Many doctors are probably unaware that the present standard of their handwriting is that of their cribbed lecture notes, written for their own eyes. When a pharmacist receives an illegible prescription, he should not waste time attempting to decipher it. No matter how skilful he may be, he is by profession a pharmaceutical expert, not a graphologist. Every letter and every figure on a prescription should be as plain and as easily made out as writing on a legal document. How then can doctors who have hitherto

written illegible prescriptions come to write legible ones? All, including doctors, have the power of breaking habits. I would suggest then, if a doctor cannot type his prescriptions, he should print his in capital letters. I would also suggest, too, the use of Arabic figures, as recommended in the National Formulary. Prescription writing might be introduced with good effect into the curriculum of the medical student so that, when qualified, he can turn out prescriptions as readable to the pharmacist as the printed page.

Belfast.

ARTHUR STOREY.

Notification of Price Changes

SIR,—Many price changes are advised by manufacturers direct to retailers. Other manufacturers prefer to leave the function of notifying them to THE CHEMIST AND DRUGGIST and monthly wholesalers' bulletins. To retailers, reliance on such bulletins is unsatisfactory, particularly where the wholesale price has been increased without any adjustment to the retail price. In those circumstances it is very likely to be overlooked by the busy retailer. Two instances have occurred recently. A proprietary bath salt was increased by three-pence per doz., with a corresponding increase of threepence per doz. purchase tax, and now shows a profit of 3½d. on a half-crown sale, and the margin on one make of soluble sanitary towels has also been reduced recently. These items may be small in themselves, but, if the habit grows, the task of meeting rising overheads will be made much harder.

p.p. H. W. SELBY, LTD.,
Haywards Heath. E. STOCKER, Director

What chemists are thinking at

THE peculiar circumstances in which pharmacy and National Health Service dispensing are carried on in a large agricultural area were stressed by the chemists in King's Lynn and surrounding area. There was again a strong feeling that in many important matters country districts called for special treatment by the Council of the Pharmaceutical Society, the Ministry of Health, and Executive Councils. A number of suggestions were made to provide a "fair deal" for N.H.S. contractors in country districts. They included the introduction of a capitation fee, dispensing hours similar to those operated by doctors, and the provision of locums by Executive Councils.

Throughout the area a lively interest is taken in pharmaceutical affairs and all are keen to provide the best possible service to the public under N.H.S. Chemists locally were little perturbed at the possibility of a price war, the general reaction being to concentrate on "own-name" packed goods.

MR. F. C. BENTLEY, M.P.S. (Allen & Neale (Chemists), Ltd., King's Lynn) said it seemed to him that the Society's educational policy was an example of putting the cart before the horse. Pharmacists should have the controlling influence and be the responsible directors in all corporate pharmacies. Let the Society clear up that position, put the pharmacists actually in charge of pharmacy, and then get on with building up professional prestige on the basis of higher education. "As it is, pharmacy is prostituted by commercialism and big business," declared Mr. Bentley.

He thought that the majority of chemists in the Eastern Counties were solid for territorial representation on the Society's Council. His own idea was for territorial representation for retail chemists and ("this is most important") proportional representation for hospital and other phar-

KING'S LYNN



macists. "Otherwise hospital pharmacists may come to dominate the Council—they are the only ones with plenty of spare time."

When the occasion arose, Mr. Bentley thought retailers should be permitted to clear redundant stocks of Proprietary Articles Trade Association goods at "sale" prices. The circumstances he had in mind were peculiar to many national proprietary products. Hundreds of such products, he said, were put on the market each year. They were at the onset widely publicised, and the retailer was induced to carry stock. If they did not attract public favour, advertising was cut or dropped altogether, and the unfortunate retailer was left with half his

stock on the shelves unsold and practically unsaleable. Surely the retailer should be allowed to clear those stocks at "sale" prices or the makers should be prepared to take back the unsold goods, and make full allowances by credit note.

Call for Capitation Fee

MR. R. H. S. WHITEHEAD, M.P.S., East Rudham, Norfolk, said that, as a village pharmacist serving an area of many square miles from King's Lynn (fifteen miles away to Fakenham (seven miles away in the opposite direction), he was not satisfied with the N.H.S. terms and conditions. "I have to provide all the facilities, keep full stocks of 'ethicals,' and keep my pharmacy open just as pharmacists do in large towns but the volume of dispensing I do, even as the only pharmacist contractor in a very large area—is but a fraction of what an average pharmacy does in a large town. I have to be available every day of the week; I cannot take a holiday because it is impossible to obtain a satisfactory locum. Naturally in a district like this there are many patients outside the mile limit, for whom the dispensing is done by doctors

I maintain that pharmacists who, like me, have to provide a continuous service with a comparatively small volume of N.H.S. work should be paid a capitation fee in the same way as the doctors."

MR. J. R. HAYES, 115 Norfolk Street, King's Lynn, raised the question of the dearth of apprentices in the Eastern Counties and considered it a matter the Council of the Society should look into. "If we had had a representative in the Council this important matter would have been raised long ago. But, like so many other pharmacy matters peculiar to agricultural areas, it is overlooked or perhaps unknown to the Council, which seems to concern itself chiefly with the welfare of large cities and industrial areas."

Still Needed

It was comforting to know, said Mr. Hayes, even if they were not Fellows or Batchelors, that they were still the only class capable of carrying on as contractors under N.H.S. "for I am very sure that the men and women of the future with these higher degrees in theory will be quite unfitted for the job behind the counter." They would of course fill the bill in the laboratory, or in charge of M.P.S.'s in health centres. Perhaps that was what the Council had in mind.

MR. B. C. KNIGHT (managing director, F. J. Miles, Ltd., King's Lynn) said that "own-name" products continued to sell well, but there had been a marked decline in counter sales of national packed proprietaryes. Whether or not there was a breakdown in the Proprietary Articles Trade Association system of control of sale prices of packed medicines, the pharmacist should in his own interest, concentrate on pushing "own-name" products. That was not only good business but it carried with it the goodwill and confidence of the public and gave the pharmacy a particular character and personal influence.

MR. A. METCALF (Metcalf & Spreckley, Ltd.); 5 Norfolk Street, King's Lynn, had his own point of view on N.H.S. remuneration. "I am afraid I get rather peeved about complaints in the delay in the final settlement of N.H.S. accounts. After all, we get about 90 per cent. payment at the middle of the month, and the balance is surely not so considerable as to embarrass pharmacists." Allowing for the general economic condition of the country, he thought that chemists had little to grumble

about in what they were paid by the Ministry. The terms were not entirely satisfactory in all respects, but if chemists continued to clamour for more and more for their services the Ministry would introduce Health Centres.

"I should also like to draw attention," said Mr. Metcalf, "to the inadequate profit retailers are now allowed by the Central Price Regulation Committee to add to cost prices. Our overheads are double and treble what they were pre-war, and in addition we have to finance the purchase tax, yet we are only allowed the same amount of profit on our article as we obtained in pre-war days. A much higher rate of gross profit is essential to the future of retail trade, in order to give a corresponding net profit."

MR. LEONARD R. BOWSKILL, South Lynn Pharmacy, London Road, King's Lynn, thought the man-power situation unpromising. "I understand," he said, "that in Norfolk there are at present only two apprentices." Two reasons for the sharp decline in new entrants were that there were no recognised schools or colleges in the county, the nearest being probably Nottingham or Leicester. Full-time study in the Eastern Counties was not available and the higher level of education now required was causing many parents, even when they were pharmacists, to enter their sons and daughters for the better-paid professions, medicines, dentistry or accountancy. Some of the ideas of the Council, said Mr. Bowskill, on the qualifications necessary to produce an efficient pharmacist were wrong. Practically no attention was being paid to commercial background.

FIFTY YEARS AGO

Antivenom Saves Dr. Calmette

From the C. & D., October 26, 1901.

DR. CALMETTE, the well-known director of the Pasteur Institute at Lille, has not been quite so fortunate, as was at first supposed, as to have entirely escaped from the effects of the accidental bite of one of the cobras which he keeps for experimental purposes, by an immediate injection of antivenomous serum. Unfortunately a few days later the wound produced by the bite began to suppurate and periostitis set in. The ultimate result was a partial destruction of the extremity of the finger, and some days ago its amputation became necessary. . . . He has the satisfaction of knowing that the antivenomous serum saved his life.

CHEMICAL MANUFACTURERS' ANNUAL MEETING

Concluded from THE CHEMIST AND DRUGGIST, October 20, p. 523.

CONTINUING his address as chairman, MR. C. G. HAYMAN said: "Last year my predecessor Sir Harry Jephcott, referred to the need for some machinery to try and co-ordinate the plans of the individual countries in Western Europe for the expansion of their chemical industries, in order to avoid the installation of capacity in excess of all likely needs. The chemical committee of the Organisation for European Economic Co-operation deals ostensibly with such problems, but our contacts with it are second-hand and spasmodic. Representatives of most of the corresponding trade associations in Western Europe attend the meetings of this committee, in company with their Government officials, but this privilege is denied to us here, except on the very rare occasions when the British officials concerned feel that the subject is so technical that they need expert advice. It is proposed to raise this matter with the Authorities."

The Ministry of Supply had called in representatives of the industry to help to deal with problems likely to be created in the chemical field by the rearmament programme. To attempt to divert production for normal needs, or any substantial part of it, to rearmament would have a most serious effect on the industrial economy as a whole. The creation of new capacity for the purpose would be essential.

Annual Report

The annual report of the Association records that, since the beginning of the financial year on July 1, 1950, the Eastern Branch Office in Bombay had been operating under a new co-operative arrangement with the Federation of British Industries.

The shortage of sulphur and sulphuric acid had had its influence on the production of fine chemicals and had resulted in the temporary exemption from Key Industry Duty of more individual chemicals. Every effort was being made to maintain, and if possible increase, output within the limits set up by the supply of raw materials. It was noted with satisfaction that the Government still recognised the great national importance of the Key Industry Duties in protecting the fine chemical industry, as evidenced by the extension of the Safeguarding of Industries Act, 1921, for a further three years. The Association

had maintained its co-operation during the year with the Medical Research Council, the Nuffield Foundation and the National Research Development Corporation in preparing a scheme for co-operative research between these organisations and university and industrial research workers in respect of new medicinal products.

The scheme would be available as basis for consideration and application in future. Members interested in the manufacture of new chemical products likely to be used in foodstuffs had volunteered to co-operate with the Ministry of Food by supplying all relevant information prior to their introduction into the foodstuff industry. The main problem involved was the method to be adopted to determine whether any chemical intended to be used in foodstuffs was likely to have any adverse effects on the human organism over a long period of time.

The grand total of exports to all destinations during 1950 of chemicals, drugs, dyes and colours, as covered by Class III Group O of the Trade and Navigation Accounts, had amounted to £107,433,000 against £86,000,000 in 1949. An approach was made to the Home Office to secure uniformity in the conditions attached to licences granted by local authorities under the Petroleum (Consolidation) Act, 1928 for the storage of certain inflammable liquids. Discussions between the various Departments concerned revealed that local authorities were not likely to agree to any such limitation of their powers, and that many of them wished to have their power extended to cover inflammable liquids not at present subject to the Act. The Home Office had agreed, however, to accept the Association's offer to prepare a code of practice for those liquids, and a Panel of the Works Safety Committee was about to start work on that.

Officers and Council

The following officers were elected for 1951-52:—Chairman, Mr. C. G. Hayman; Vice-chairman, Mr. W. F. Lutyens; Treasurer, Mr. C. E. Carey. Members of Council, Mr. A. D. Daysh, Dr. A. E. Everest, Messrs. I. V. L. Fergusson, G. E. Howard, L. G. Matthews, T. D. Morson, D. P. C. Neave, F. G. Pentecost, D. Spence, G. F. Williams, K. H. Wilson, O.B.E., W. J. Worboys and H. Yeoman.

APPARENT VITAMIN C IN THE WALNUT

By C. Daglish, Ph.D., Ph.C.

PROVIDED precautions are taken to prevent oxidation, the $5, \beta D$ glucoside of 1-4-5-trihydroxynaphthalene can be isolated as a grey-green amorphous compound from acid ethanol extracts of the walnut (*Juglans regia*) by chromatographing these on alumina. Spectroscopic examination of extracts made with water and other solvents, as well as of samples taken at each step in the isolation procedure, showed that the glucoside existed as such in the plant. Its structure was established by hydrolysis to glucose and 1-4-5-trihydroxynaphthalene, followed by the oxidation of this to juglone (5-hydroxy 1-4-naphthoquinone), by comparing its ultra-violet absorption curve with those of hydroxynaphthalenes of known constitution, and by conversion to the crystalline hexa-acetate which was synthesised from 1-4-5-trihydroxynaphthalene and tetraacetyl bromoglucose via the intermediates tetraacetyl α - and tetraacetyl β -hydrojuglone glucosides.

Properties of the Glucoside

The instability of the glucoside, especially in the presence of light and oxidising agents, probably accounts for the previously reported presence of juglone and/or α - and β -hydrojuglones in the walnut. Spectroscopic examination of several hundred extracts has failed to show the presence of these compounds in the free state. The glucoside showed strong reducing properties, particularly towards the dye 6-dichlorophenolindophenol commonly used for the determination of ascorbic acid, and this suggested that it might be the "apparent vitamin C" of the walnut. The term "apparent vitamin C" was proposed by Wokes and his co-workers (1943) as "conveniently describing a group of substances occurring in different foodstuffs, and although not possessing antiscorbutic activity, simulating vitamin C very closely in their chemical and physical properties so that they were not distinguished from it by the indophenol titration as usually applied." This term, useful in certain ways, confused the issue in that there was a tendency to regard the different "apparent vitamin C's" as belonging to a particular group of related compounds. A study of the pH and other factors showed that they had the same effect upon the dye titration value both of hydrojug-

lone glucoside and the "apparent vitamin C" of the walnut, and substantiated the above supposition that the latter activity was due to the glucoside. This was confirmed on finding that in certain tissues the only reducing agent present was the glucoside and, in other tissues, the seasonal variation in concentration of both was identical. To circumvent inherent disadvantages of the dye titration determination of ascorbic acid a spectrophotometric method specific for this compound was developed. This depended upon the shift with pH of the absorption curve. Walnut extracts were assayed by this method, and by a second spectrophotometric method specific for the glucoside. The results showed that there were seasonal variations in concentration and amount present of these substances in all plant parts, depending upon the rate of growth. The suggestion of Wokes and others (1944)² that the "apparent vitamin C" could be a precursor of the true vitamin was, therefore, discarded.

Microscopical examination of sections showed that the glucoside and ascorbic acid occurred in the same tissues, particularly in the meristem and the cambium. Investigation of the factors affecting the biosynthesis of the glucoside showed that when a plant tissue was macerated in a buffer solution in the presence of ascorbic acid the amount of glucoside increased by an amount proportional to the amount of ascorbic acid (up to a limit). The ascorbic acid appeared to react with a precursor to form the glucoside. The precursor was not a preformed naphthalene derivative. Synthetic β -benzoylacrylic acid, but not β -benzoyl nor β -salicoyl-propionic acids could act as the precursor in tissue macerates or when fed to seedlings. An unstable phenolic compound isolated from seeds was equal in activity to β -benzoylacrylic acid in acting as the precursor. Since compounds related to β -benzoylacrylic acid can be formed by opening the pyrone ring of chromone derivatives, and as condensed tannin, flavones as well as lignin possess this structure and occur in the walnut, it has been suggested that the precursor of the glucoside is formed in the metabolism of these compounds.

REFERENCES

1. "Nature," 152. 14: 2. Ibid. 154. 669

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

London, October 24

THE markets for PHARMACEUTICAL and FINE CHEMICALS have, for most products, been quiet during the past week. Only one price change has been recorded—that of CITRIC ACID, which was increased with effect from October 22. One can assume that CITRATES will shortly move in sympathy but, to date, makers have not announced any alterations. The allocation of raw SULPHUR to the United Kingdom for the last quarter of 1951 has been announced (see p. 542). The fact that it is 4,000 tons less than in the previous quarter will cause some anxiety to manufacturers, for it was generally agreed at the time that the previous allocation was an absolute minimum for the country's needs. Fortunately prophecies of wide disruption of trade through sulphur shortage have not materialised. Substantial economies have been made in its use, and it is no longer looked upon as a cheap and plentiful commodity to be used without special regard to economy. SULPHURIC ACID has also been bought from abroad—the Continent supplying a quantity estimated at about 3 per cent. of U.K. production at prices up to three times the domestic quotation.

There has been little movement in the CRUDE DRUGS market. ERGOT has remained an enigma, holders asking about 70s. per lb. for spot supplies, in line with replacement quotations. GALANGAL ROOT is scarce at origin. Shippers of fatty grey CARNAUBA WAX have withdrawn their quotations for November shipment. English new-crop MUSTARD SEED will be ready in two or three weeks' time. Little interest has been shown in AROMATIC SEEDS, though FENNEL and CARAWAY are firm on the spot. SENEGA is firm at origin now that the season is over for collection. Spot supplies of SARSAPARILLA are small.

The ESSENTIAL and EXPRESSED OILS markets continue dull, with slight easing in the forward prices of a few commodities. Shipments of new-crop OLIVE will start in about a month's time. As previously announced (*C. & D.*, October 13, p. 504) there are prospects of a good crop. With that in mind, shippers reduced the prices of all grades of old-crop material by £20 per 1,000 kilos. Subsequently the market became a little firmer, and the latest quotations show a net reduction of £15 per 1,000 kilos.

U.S. Drug and Chemical Report

New York, October 17

SALICYLATES are firm, with supplies restricted. A decline of 10 cents per lb. brought Brazilian MENTHOL down to \$9.90, its lowest level for some time, but spot

lots of Chinese and Japanese material continue to sell at \$10.50. LANOLIN is firm in the face of small offerings with recent arrivals from Germany and Australia rather limited. The recent trend in GU MASTIC has been downward owing to narrow demand. IPECACUANHA remains scarce. Quotations for PAPAIN are firm and any unusual activity could quickly bring higher rates for SENEGA and for SENNA LEAVES. Despite Middle East developments, GUM ACACIA from the Sudan and TRAGACANTH from Persia continue very quiet. The increased cost of ALOE has started an increase in ALOIN price and a general increase is expected shortly. Supplies of EMETINE are reported scarce and rising raw material costs are expected to force up the price of the finished material. There is less demand for natural CAMPHOR, with supplies plentiful. Competition for synthetic camphor is, however, strong. The usual fluctuations have occurred in ESSENTIAL OILS, with declines balancing out advances. LAVENDER spike, at \$2.8 per lb., and CITRONELLA, at \$1.10, were both down by 15 cents per lb.; SPEARMINT was up by 15 cents per lb., and CLOVE by 25 cents to \$3.50. LEMONGRASS was quiet but steady and BERGAMOT very scarce.

Pharmaceutical Chemicals

AMIDOPYRIN.—In 1-cwt. lots the price is from 32s. 6d. to 35s. per lb.

AMMONIUM CHLORIDE, B.P. — Makers quote 1-cwt. lots at 11½d. per lb.

BENZENE. — B.P.C. grade is quoted at 5s. 3d. per gall.; thiophene-free, 7s. 6 per gall.

BENZOCAINE. — 28-lb. lots are 44s. 14-lb., 45s.; and 7-lb., 47s. 6d. per lb.

CALCIFEROL. — Price of 1-kilo lots (25-gm. ampoules) is now 5s. 9d. per gr.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quality. SUCCINATE ACID is from 10s. 3d. to 12s. 3d. per lb.

CARMINE.—Prices are from 85s. to 90 per lb., according to quantity.

CHALK.—Price of cones per cwt. is 40 (in 7-lb. boxes, 45s.).

CHLORBUTOL.—28-lb. lots are at the rate of 13s. 6d. per lb.

CITRATES.—The present rates (per lb.) are as follows:—POTASSIUM, 1-cwt. lot 3s. 10½d.; 28-lb., 4s. 9d.; SODIUM, 1-cwt. 3s. 3½d.; 28-lb., 4s. 1d. (powder one penny more). IRON AND AMMONIUM, scale, 1-cwt. 4s. 3½d.; 28-lb., 5s. 4d. (granular one penny less).

CITRIC ACID.—Prices are advanced. British makers quote 21s. per cwt. for 4-cwt. lots and 21s. per cwt. for 5-cwt. quotations are now net.

ETHER.—TECHNICAL, B.S.S., and SOLVENT, B.P., grades, in winchesters, are now quoted (per lb.) as follows:—10-cwt. lots, 5s. 5½d.; 5-cwt., 2s. 6d.; 48-lb., 2s. 7½d.; 4-lb., 3s. Rates for ANÆSTHETIC, B.P., are as follows:—10-cwt. lots, 3s. 9½d.; 4-cwt., 3s. 10½d.; 1-cwt., 3s. 11½d.; 72-lb. s. 0½d.; 36-lb., 4s. 2½d.; 24-lb., 4s. 4½d. Surcharges for ether in smaller packs are unchanged.

GLYCEROPHOSPHATES.—Rates per lb. for 8-lb. lots are as follows: ACID, 20 per cent., 8s. 10d.; CALCIUM, soluble, B.P.C., 4s. 9d.; IRON, B.P.C., scale, 17s. 9d. and powder, 16s. 9d.; MAGNESIUM, soluble, B.P.C., 21s. 6d., and insoluble, 12s. 3d.; MANGANESE, 30s.; POTASSIUM, 50 per cent., 3s. 1d., and 75 per cent., 8s. 6d.; SODIUM, 0 per cent., 4s. 8d., and 75 per cent., 8s. 6d.

KAOLIN.—In 1-cwt. bags. LIGHT is quoted at 90s. per cwt., and HEAVY at about 6s. per cwt.

METOL.—In 1-cwt. lots the price is 23s. per lb.; 28-lb., 24s.; 14-lb., 26s.; 7-lb., 27s.

OXALIC ACID.—In quantities of 1-ton and less than 2 tons, spot material for the same trade is £133 10s. per ton, in 5-cwt.asks; 10 cwt.-1 ton, £138 10s. per ton; 1-cwt.-10 cwt., £143 10s. In 1-cwt. kegs, prices are £4 per ton more; quantities of less than 5-cwt., £162 10s. per ton. Pack- ges free; delivered in U.K.

PAPAVERINE.—Synthetic HYDROCHLORIDE in the region of £46 per kilo.

PHENOLPHTHALEIN.—Rate for 1-cwt. lots 11s. 10d. per lb.

PIPERAZINE.—French material is offered at 105s. to 115s. per kilo.

QUININE.—Makers' rates (per oz.) to one-trade distributors are given below:—Additional charges must be added for packing, etc. ALKALOID, from 5s. to 8s. 6d.; ACETYLSALICYLATE, 6s. 3d. to 9s. 9d.; BISULPHATE, 3s. 7d. to 4s. 1d.; HYDROBROMIDE and DIHYDROCHLORIDE, 8s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 8s. 3d.; GLYCEROPHOSPHATE and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDROCHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. 0s. 6d.; QUININE and UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

SACCHARIN.—In lots of 1-lb. and over, S.P. powder is quoted at 98s. 4d. per lb.; the SODIUM SALT is 79s. 4d. per lb. Prices include duty and carriage.

SALOL.—In 1-cwt. lots the price is 9s. per lb.; 28-lb., 10s. 6d.

SODIUM PARA-AMINO SALICYLATE.—Supplies of British are from 75s. to 84s. per lb., as to quantity.

Crude Drugs

ACONITE.—Spanish *napellus* is 3s. 6d. per lb., duty paid, ex wharf.

AGAR.—Steady. Kobé No. 1 on the spot is quoted at 8s. 6d. per lb., duty paid.

ALOES.—Prime Cape on the spot is 245s. per cwt.; forward offers are about 220s., c.i.f., for prompt shipment. Caraçao for shipment quotations are 430s. per cwt., c.i.f., and for spot, 460s.

ANTIMONY.—English, 99.6 per cent., £402 10s.; 99 per cent., £390 per ton.

ARECA NUTS.—Spot quotations are 40s. per cwt. for Ceylon.

ASAFOETIDA.—Persian block is £18 per cwt., duty paid, on the spot.

BALSAMS.—*Canada* is offered at 28s. per lb. on the spot; no offers from origin. Maranham *Copaiba*, now arriving, is 17s. 6d. per lb., duty paid. *Peru* is 18s. 6d. per lb., duty paid, and 15s., c.i.f., for shipment. *Tolu* on the spot is about 41s. per lb. for the natural and 32s. 6d. for B.P. quality.

BENZOIN.—No. 1 Sumatra block on the spot is quoted at from £28 10s. per cwt.; for shipment, £25 15s., c.i.f. Siam almonds (medium bold) are 37s 6d. per lb., spot.

BOLDO LEAVES.—A parcel is quoted at 60s. per cwt., ex Liverpool.

CASSIA BARK.—Whole, for October-November shipment is 120s. per cwt., c.i.f.

CHERRY BARK.—Thin cut natural is quoted at 2s. 1d. and rossed at 2s. 8d. per lb., duty paid, ex warehouse London.

ERGOT.—Portuguese is very firm at origin and forward prices are purely nominal. Spot supplies are about 70s. per lb.

GALANGAL ROOT.—Scarce at origin. A parcel is quoted at 87s. 6d. per cwt., c.i.f., October-November shipment. On the spot, 107s. 6d. is asked.

GUM ACACIA.—Easier. Kordofan cleaned sorts on spot, quoted at 125s. per cwt.; November-December shipment, 115s., c.i.f.; new-crop, February-March, 1952, shipment, 113s., c.i.f.

IPECACUANHA.—Offers of Colombian for October-November shipment are 55s. per lb., c.i.f., and for spot about 59s. per lb. October-November shipment of Nicaraguan quoted at 62s., c.i.f.; spot, 65s. per lb. Brazilian, spot, 60s. per lb.

KOLA NUTS.—African halves on the spot in London are from 5½d. per lb.; to come forward, 4½d., c.i.f.

KRAMERIA.—Spot is 120s. per cwt.; for shipment, 107s. 6d., c.i.f.

MENTHOL.—Firm. Chinese is about 81s. 6d. per lb., duty paid, and 77s. 6d. in bond; Hong Kong quotations are firm about 79s., c.i.f. Brazilian spot is 81s. per lb., duty paid.

MYRRH.—Aden selected sorts are quoted at from £17 to £18 per cwt., on the spot. Siftings are from £7 10s. to £8 10s. per cwt.

NUTMEGS.—West Indian 80's, quoted at 4s. 3d. on the spot and 3s. 8d. per lb. for shipment. East Indian for shipment, are quoted at from 3s. 8d. to 3s. 10d., c.i.f.

PAPAIN.—Spot supplies of East African No. 1 white are scarce; for shipment, 37s. 6d. per lb., c.i.f., is quoted. Spot supplies of Ceylon sun-dried are about 40s. per lb. and for forward delivery, 36s., c.i.f.

PODOPHYLLUM.—*Emodi* for November-December shipment is 350s. per cwt., c.i.f.

QUILLAIA.—Whole bark on spot is 147s. 6d. per cwt.; for shipment, 140s., c.i.f. Cut bark is offered at 175s. per cwt., ex warehouse.

RHUBARB.—Quiet. Double Deer No. 1 is offered at 10s. per lb., duty paid (9s. 3d. in bond), with other grades of Chinese rough round at from 7s. to 9s. per lb., duty paid.

SENECA.—Prices for shipment are 16s. per lb., c.i.f.; spot supplies are 16s. 9d. per lb.

SENNA.—Firm. Tinnevelly wet-crop leaves for October shipment are quoted as follows:—No. 2, prime, 1s. 1½d.; No. 3, prime, 1s.; f.a.q., 10½d. per lb., c.i.f. Pods remain scarce on the spot; a parcel of f.a.q. is offered at 2s. 2½d. per lb. on the spot. Alexandria pods are available on the spot at up to 7s. per lb., according to quality.

STRAMONIUM.—Spot supplies of Indian are offering at 5½d. per lb.; for forward delivery, 5d. per lb., c.i.f. European is about 10d. per lb., spot.

TAMARINDS.—Barbados are at about 46s. per cwt., and Antiguan, 47s. 6d., both duty paid, ex wharf.

VALERIAN.—Whole Belgian on the spot is quoted at 200s. per cwt., spot, and 190s., c.i.f., for shipment. Indian is 200s. per cwt., spot; for shipment, 160s., c.i.f., quoted. For spot Russian from 180s. to 240s. per cwt. is asked.

WAXES.—BEES'.—Dar-es-Salaam on the spot is 600s. per cwt., nominal; afloat, 570s., c.i.f.; shipment, 560s., c.i.f. Benguella on the spot is 620s., duty paid (in bond, 570s.); October shipment, 525s., c.i.f. CANDELILLA.—Spot supplies are offered at 610s. per cwt.; shipment, 605s., c.i.f. CARNAUBA.—Prime yellow, spot, 1,080s. per cwt., c.i.f.; shipment, 1,050s., c.i.f. Fatty grey, spot, 925s. per cwt.

MONTAN.—Reibbeck crude on the spot is 135s. per cwt., nominal; shipment, 130s., c.i.f.

OURICURU.—Spot, 0.3 per cent. impurities, 825s. per cwt., shipment, 750s., c.i.f.

WITCH HAZEL.—Leaves on the spot are quoted at from 2s. 9d. to 3s. per lb.

Essential and Expressed Oils

ANISE.—In little demand. Spot quotations are from 10s. 3d. to 11s. per lb for shipment, 9s. 6d., c.i.f.

BAY.—Scarce. West Indian is quoted at from 15s. 6d. to 17s. 6d. per lb., as quantity.

CITRONELLA.—Spot prices for origin drums are: Ceylon, 9s. per lb. Formos 8s. 5d. and Java, 11s. Forward quotations are: Ceylon, 8s. 5d.; Formosa, 7s.; at Java, 7s. 9d., all c.i.f.

CORIANDER.—Russian-seed oil is scarce with nominal quotations at 185s. per 1 Dutch-seed oil, 180s. per lb.

EUCALYPTUS.—70 to 75 per cent. eucalytol, for shipment, is nominal at 8s. 3d. per lb., c.i.f., and 8s. 9d. for spot. 80 to 85 per cent. eucalyptol for shipment is better supply. Quotations are 8s. 6d. per lb., c.i.f., and from 9s. 6d. for spot supplies.

GINGER.—Firm. English-distilled oil in the region of 170s. to 230s. per lb., to grade. Imported oils are available at from 175s. to 180s. per lb.

LAVANDIN.—Spot quotations are from 24s. to 25s. per lb.

LEMON.—A weak market. Sicilian hand-pressed (4 per cent. citral) is quoted at prices up to 60s. per lb., c.i.f.

LEMONGRASS.—Spot quotations are about 26s. 6d. per lb., and for October shipment, 22s. per lb., c.i.f.

NUTMEG.—English-distilled oil is about 55s. to 57s. 6d. per lb. Imported oil (B.P.) is about 34s. duty paid.

OLIVE.—French virgin oil in 48-gal drums, spot, is 26s. 6d. per gall.; pharmaceutical, 26s. per gall., nominal. French virgin (maximum acidity 1 per cent.) offered for shipment at £275; Tunisia virgin at £265; and French pharmaceutical (maximum acidity 0.25 per cent.), at £20 per 1,000 kilos, c.i.f. London.

OTTO OF ROSE.—Scarce. Turkish is from 450s. to 500s. per oz., spot, nominal.

PATCHOULI.—Spot supplies of Penar are offered at from 82s. 6d. to 85s. per lb.

PENNYROYAL.—New-crop for immediate shipment is offered at from 29s. to 35s. per lb., landed, duty paid, as to source.

PETITGRAIN.—Easier. Paraguay is offered at from 32s. 6d. to 34s. spot.

PIMENTO BERRY.—English-distilled oil 85s. per lb. Imported oil is from 45s. to 47s. 6d. per lb., spot.

SAGE.—Spanish is offered at 11s. per lb., spot.

SASSAFRAS.—Brazilian natural is offered at from 6s. 6d. to 7s. 6d. per lb., duty paid, spot, according to grade.

VETIVERT.—Bourbon in original drum is 182s. 6d. per lb., spot. For small quantities prices range up to 192s. 6d.

WORLD TRADE

South African Dextran Factory.—A factory has been set up near Johannesburg, at a cost of £95,000, for the production of dextran from Natal cane sugar.

Sulphuric Acid Plant for Austria.—Orders have been placed for the major part of the machinery required for a new sulphuric acid plant now under construction in Austria. The plant will have a capacity of 40,000 tons a year.

German-Spanish Trade Pact.—West Germany and Spain have signed a one-year trade agreement retrospective to October 1 providing for an exchange of goods each way worth \$62 millions. The agreement provides for Spanish exports of various commodities including 2,000 flasks of quicksilver, over 4 million Marks' worth of zinc, an undisclosed quantity of pyrites

and one million litres of olive oil. Germany will send in return nitrogen products and optical, photographic and surgical instruments, etc.

German Potash Industry.—West German potash producers report that a commodity boom in the first quarter of 1951, coinciding with the normal potash selling season, resulted in Western potash exporters being sold out up to June 1952. Pressure by East German producers kept prices down, and the present market outlook is "decidedly competitive." German producers are not convinced that production from the newly discovered deposits in Yorkshire will be economic. The deposits lie about twice as deep as the German, and the extraction method proposed in Yorkshire has not proved wholly satisfactory elsewhere.

QUININE PRODUCTION IN INDIA

In view of the increasing demand for quinine both from the United Kingdom and in India, the cinchona department of the Madras Government is planning to step up its quinine production to about $2\frac{1}{2}$ lakhs [= $2\frac{1}{2} \times 100,000$] lb. a year. It has been decided to complete as early as possible the construction, held up for some time, of a quinine factory at Anamalais at an estimated cost of about Rs.24 lakhs. The factory is expected to produce one lakh lb. of quinine sulphate annually, commencing in about two years.

Cinchona was brought to India from South America ninety years ago, and planted in the Nilgiris with the idea of providing the State with its own quinine requirements. According to a committee charged with estimating the needs, the annual quinine requirements of India would be about 15 lakhs lb. The average consumption of quinine for the past few years has been in the neighbourhood of $\frac{1}{2}$ lakhs lb. (excluding synthetic and other antimalarial drugs imported). The total production of the Bengal and Madras cinchona departments have been under one lakh lb. or 7 per cent. of the estimated requirements. The factory at Anamalais is expected to take the Indian production to the quantity now consumed but this would still be short of the country's requirements. Already Rs. 18 lakhs has been spent on the new factory and about 90 per cent. of the buildings have been completed. The machinery will cost a further Rs.6 lakhs.

The production of quinine at present is uneconomical because it is being sold at a price fixed in 1945. A good case could be made out for subsidising the price of quinine because of the need for making the drug available at a cheap price (malaria is taking a toll in India of about a million lives annually). Madras is now selling quinine at Rs.42 per lb., whereas the market price, which during the war went up as high as Rs.300 per lb., has settled down at about Rs.52.

Stockpile

While there is an increasing demand for quinine for internal consumption, there is also an accumulation of stock in India of nearly 40,000 lb., collected during the war years on account of control. From July 1950 to March 1951, the total quinine sales amounted to R.1,388,852 whereas, when there was control, the turnover for a whole year was only R.538,324. With the addition of 4,400 acres under quinine plantation the total acreage under cultivation has risen to 9,430 acres.

The life of a plantation is twenty years and quinine can be extracted from the seventh year. Experiments with a method by which part of the bark of the tree only is cut are being conducted. As the two factories would not have enough work for all the year round the question of processing other indigenous material like nux vomica into marketable forms is also being considered.

TRADE

MARKS

(From the "Trade Marks Journal," October 3, 1951)

For medicated sweetmeats (5).

CLO-RO-FILT, 699,364, by Swizzels, Ltd., Stockport.

For disinfectants (5).

LAVIGENA, 699,389, by New Hygiene, Ltd., London, N.7.

For rodenticides, germicides, antiseptics and disinfectants (5).

DETHMOR, 700,344, by S. B. Penick & Co., New York.

From the "Trade Marks Journal," October 10

For soap and non-medicated toilet preparations for babies (3).

BABY BRUMAS, 690,724, by "Cullingford of Chelsea," London, S.W.10.

For non-medicated toilet preparations (3).

CURLY-WEE, 699,009, by Boots Pure Drug Co., Ltd., Nottingham.

For cleansing powders for toilet use (3).

SANDOL, 700,343, by Leonard Walter Henry Hill, London, W.5.

For detergents (3).

SYNSUDS, 701,204, by Laporte Chemicals, Ltd., Luton.

For disinfectants (5).

SANITEX, 686,071, by Sanitex Products, Swinton.

For insecticides and fungicides (5).

REGENT, 692,269, by Trinidad Leaseholds, Ltd., London, W.1.

For pharmaceutical preparations (5).

VICORTEN, 692,988, by Ciba, Ltd., Basle. FERBECIN, 699,827, by H. R. Napp, Ltd., London, W.C.2. DOSTOL, 699,946, by Frédéric Jean Bengué, Alperton. PRAENITONA, 700,431, by Schering, A.G., Berlin. Device of preacher, 700,759, by the Sanitas Co., Ltd., London, S.W.9. AXLAN, 700,973, by Moore's (Sheffield), Ltd., Sheffield. NEBIVEX, 700,983, by Evans Medical Supplies, Ltd., Liverpool.

For surgical and medical bandages (5).

HEALAPLAST, B699,538, by Wallace, Cameron & Co., Ltd., Glasgow, and Taylor, Furst & Co., Ltd., Glasgow.

For all goods (5).

SAXALBA, 700,371, by Cerebos, Ltd., London, N.W.10. DARAPRIM, 700,521, by the Wellcome Foundation, Ltd., London, N.W.1.

For disinfectants (5).

Device of toy drummer, 700,393, by William Edge & Sons, Ltd., Bolton.

For bandages, bandaging material, curative socks, sanitary knickers, menstruation belts, pads and underclothing (5).

SUNFLEX, 700,780, by Bennett Bros. (Hosiery Manufacturers & Dyers), Ltd., Hinckley.

For medicated confectionery (5).

ALIBI, 700,849, by Edward Hack, London, W.C.1.

For surgical scissors (10).

MORBRO, 700,872, by Morbor (Scissors), Ltd., Sheffield.

For medical and surgical glassware (10).

FORDWYK, 701,092, by Poulten, Selfe & Lee, Ltd., Wickford.

For combs for the hair (21).

PINKLE, 701,108, by E. R. Howard, Ltd., London, E.C.1.

From the "Trade Marks Journal," October 17

For detergents (3).

VEL, 679,106, by Colgate-Palmolive-Peet Co New Jersey. AGIL, 700,035, by Alluvial General Industries (London), Ltd., London W.C.1. SLIX, B700,538, by Copras Chemical Co., Todmorden. TELOS, 700,927, by F. C. Calvert & Co., Ltd., Bradford.

For non-medicated toilet preparations for eyebrows and eyelashes (3).

WINX, 699,675, by Park & Tilford, Inc., New York.

For face cloths (24).

MERMAID, 699,489, by Spencer Bros Amersham.

For napkins and towels, all of paper (16).

DUNI 699,533, by Aktiebolaget Billingsfor Langed, Billingsford.

For soap powders (3).

DRYSOL, 700,668, by H. & S. Products, Ltd., Todmorden.

For all goods (5).

SEROXYLIN, 695,274, by Oxo, Ltd., London E.C.4. ERYFOL, 697,874, by Roche Product Ltd., Welwyn Garden City.

C. & D. REVISION COURSE

DURING the preparation for press of the C. & D. revision course material (see C & D., October 20, p. 540), the answer to the two-part question No. 2 unfortunately became reversed in order. The question was:—

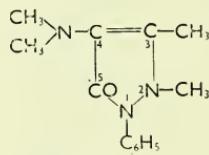
Derive structural formulae for the following compounds (The Extra Pharmacopœia (volume II) will be helpful):—

(a) 4 Dimethylamino-1-phenyl-2:3 dimethylpyrazolone-5.

(b) 2 [Benzyl (2-dimethylaminoethyl amino) pyridine.

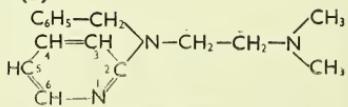
The correct answers were:—

2. (a)



Amidopyrine

(b)

Tripelennamine
(an antihistamine)

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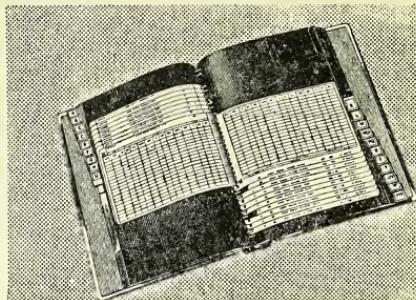
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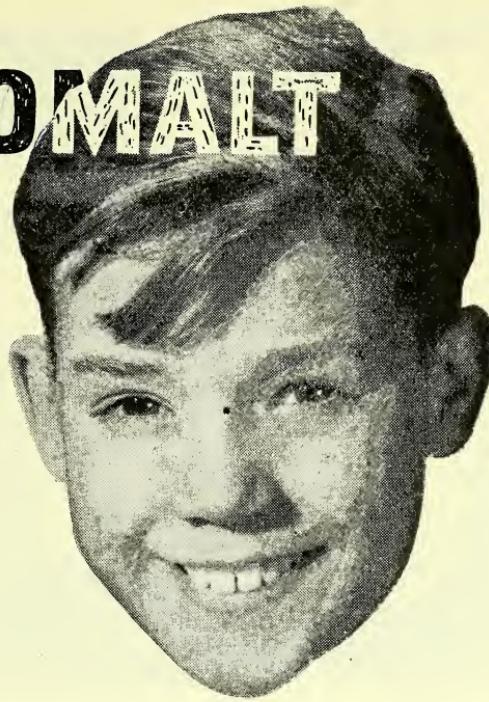
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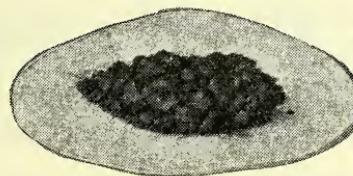
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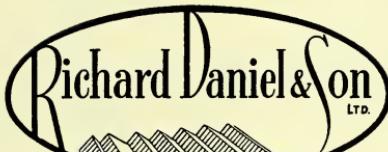
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Packs:	100's	- - - 16/- "	144/- "
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	1,000's	£6 . 17 . 6 "	£61 . 10 . 0 "

Extensive supportive mailing and professional press advertising have been arranged.

Further information and literature available from the Medical Dept.,

A. WANDER LIMITED, 42 Upper Grosvenor St., Grosvenor Square, London, W.1

FOR CHEMISTS



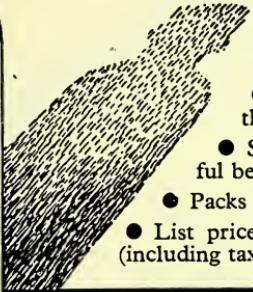
DRUGS

SUNDRIES

PILLS • TABLETS
PROPRIETARIES

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)
RANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)

EFFECTIVE ERADICATION OF
Head Lice and Nits...



- Semprolia provides an effective and pleasant disinfection treatment, without need for combing.
- Semprolia is applied by simple massage into the scalp.
- Semprolia is economical, about one tablespoonful being required for each application.
- Packs for clinic use and home treatment are available.
- List price 8/- per dozen (plus tax). Retail price 1/3d. (including tax).

NEW FORMULA

Semprolia
D.D.T. HAIR EMULSION

BRAND

TEMCO LTD., 128/132 ALBERT STREET, CAMDEN TOWN, N.W.1

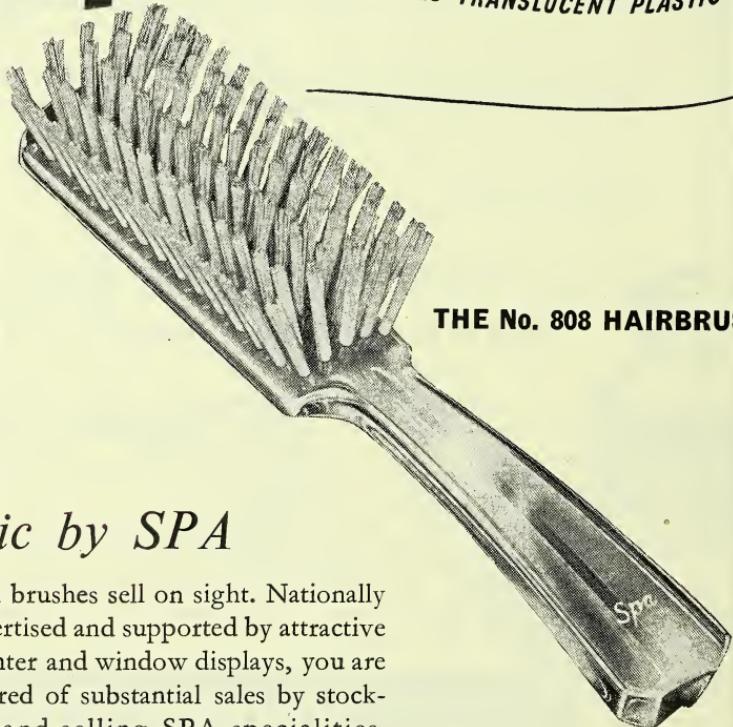
Aristocrats of the Toilet Counter

Spa

TOOTHBRUSHES · HAIRBRUSHES

CLOTHESBRUSHES · NAILBRUSHES

IN TINTED TRANSLUCENT PLASTIC



*a poem
in plastic by SPA*

SPA brushes sell on sight. Nationally advertised and supported by attractive counter and window displays, you are assured of substantial sales by stocking and selling SPA specialities.

Illustrated lists showing the full SPA range sent on request

SPA BRUSHES LIMITED · CHESHAM · BUCKS



new...

to relieve mental
and emotional distress

In 'Drinamyl', the two components—'Dexedrine', the central nervous stimulant of choice, and the sedative amylobarbitone—work together to ameliorate mood and relieve inner tension. Widely useful in everyday practice, 'Drinamyl' controls the troublesome symptoms of mental and emotional distress.

'DRINAMYL' tablets

Each 'Drinamyl' tablet contains 5 mg. dextro-amphetamine sulphate ('Dexedrine') and 32 mg. (gr. $\frac{1}{2}$) amylobarbitone. Available in bottles of 25 tablets—Trade price 31/6 per doz. and 250 tablets—Trade price 24/3 ea. 'Drinamyl' is a Schedule IV preparation.



ENLEY & JAMES, LIMITED, 123 COLDHARBOUR LANE, LONDON, S.E.5

Smith Kline & French International Co., owner of the trade marks 'Drinamyl' and 'Dexedrine'

She's COMFORTABLE!



*Indeed, she's VERY comfortable
She uses Silcot cotton wool towels*

SILCOT *Sanitary Towels*

Keep sales moving ! This is the problem of every retailer. And this is the problem in which he is being assisted by Silcot advertising and publicity.

Every month a fresh, striking advertisement in the leading magazines. Every month a fresh, attractive showcard, matching the advertisement, for his window or counter.

All this, added to a first-class selling line, helps to keep sales moving.

*Our Showcards and
National Advertising
Help to*

**KEEP
SALES
MOVING!**



*She's
COMFORTABLE !*

*Indeed, she's very
comfortable ! And
her comfort is due
to the fact that she
always uses Silcot...
the cotton-wool
towel with stitched
loops.*

SILCOT
SANITARY TOWELS

SILCOT

Sanitary Towels

FOR COMFORT AND PROFIT

MACDONALD & SON LTD., HOPE MILLS, POLLARD STREET, MANCHESTER
ARDWICK 1561

*The makers of Robinson's 'Patent' Groats, Robinson's
'Patent' Barley and Robrex*

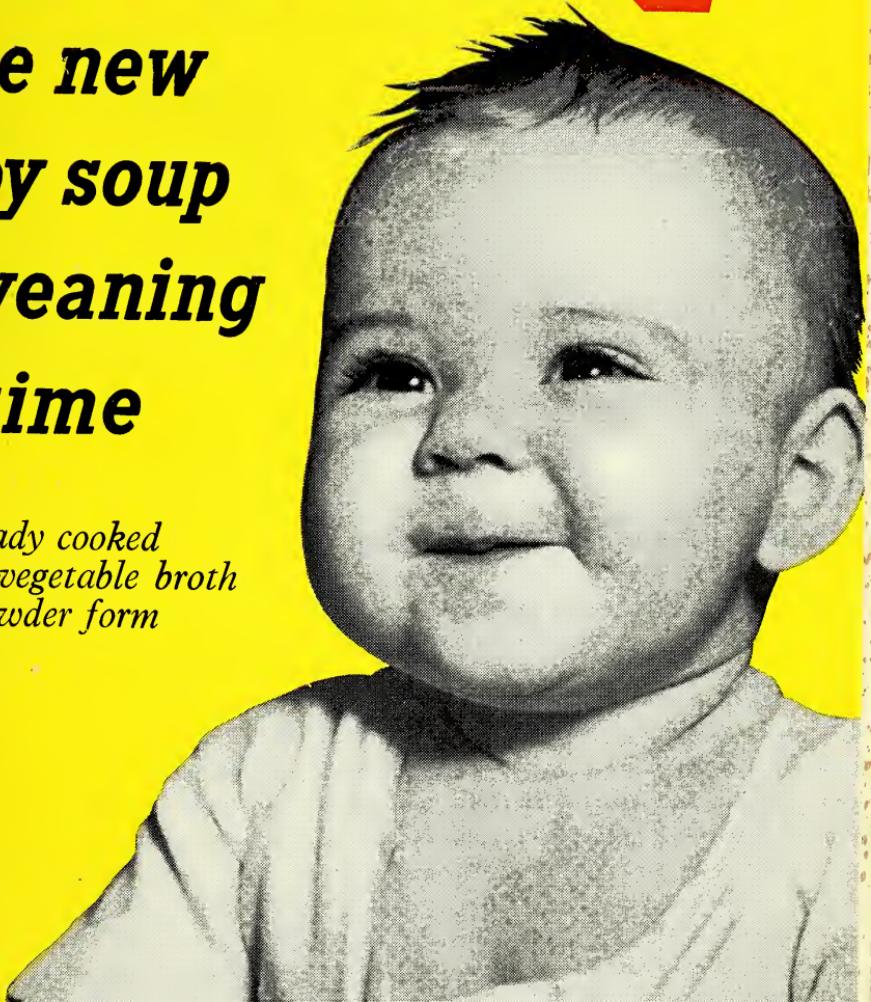
KEEN ROBINSON & CO. LTD.

now introduce

Robsoup

*The new
baby soup
or weaning
time*

*A ready cooked
meat and vegetable broth
in powder form*



ROBINSON'S

This new weaning food, backed by the prestige of a famous firm, has 4 outstanding advantages:

Economy

A 1/6d. tin of Robsoup provides 10 helpings for a five-months-old baby. Only the amount needed for each meal is mixed at one time. Robsoup is a dry powder, so the remainder left in the tin will not go bad. There is no waste with Robsoup.

Dietary value

Robsoup is made from peas, potatoes, carrots, yeast extract, cabbage, gelatin, edible bone phosphate, salt and onions. It is rich in iron, calcium and vegetable proteins. Given from the 3rd or 4th month onward, it is not only valuable as a supplement to milk but also has the advantage of helping the infant to acquire a wider range of

tastes. Babies enjoy its mild vegetable flavour.

Safeness

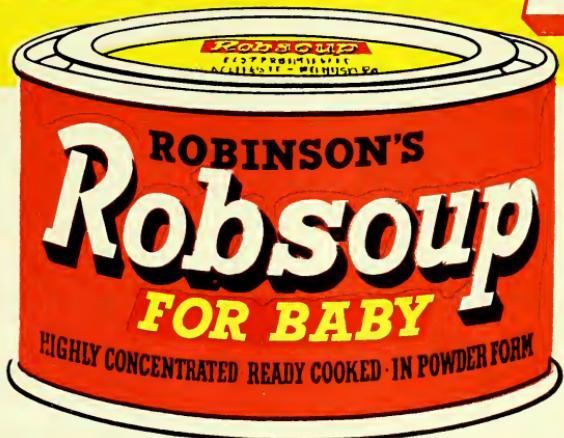
Bacteria do not multiply in a dry powder, so that Robsoup will not give rise to food infections.

Simplicity

Robsoup mixes instantly with water at any temperature. It can be made to the consistency of a thin broth suitable for adding to bottle feeds or a thick creamy soup which can be fed from cup and spoon.

Hospital tests and trials in ordinary homes show that babies take Robsoup readily and make excellent progress on it.

Robsoup



How we can help your sales of Robsoup

Our campaign to launch this unique new baby food is well in hand. Here are some of the ways in which we are reaching potential customers:—

Leaflets

Large numbers of attractive, simply-written leaflets telling the Robsoup story are being distributed to mothers and mothers-to-be.

Medical & Nursing Press

Robsoup advertisements are appearing widely in all the professional journals read by child specialists, general practitioners, nurses and midwives.

National Press

In due course Robsoup will be

supported by National press advertising. We prefer, however, to inform professional people fully before bringing the product to the notice of the general public.

Direct Mail

Mailing shots are being sent to doctors, nurses, midwives and others interested in the welfare of infants, explaining from the professional point of view the advantages of Robsoup.

Robsoup

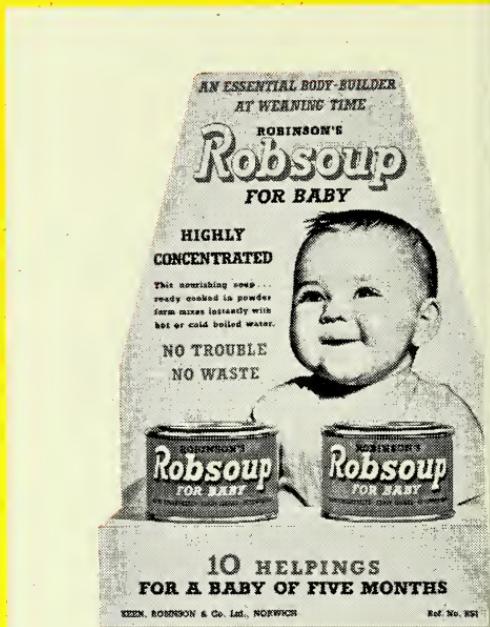
POINT OF SALE DISPLAY

The handsome display unit shown here is available on request to all chemists. It is designed to take two tins of Robsoup, and is beautifully printed in red, yellow and black — the same colours as the tins. This good-looking display piece is a sure sales force!

PACKAGING & TERMS

Robsoup is supplied in cases of 3 dozen, 13/9d. per dozen less 2½% cash discount.

Consumer price 1/6d. per tin.



We shall be glad
to tell you more about Robsoup

Our representative will be calling on you shortly. If you would like further detail now, please write to Dept. MX 35.

KEEN ROBINSON & CO. LTD. CARROW WORKS NORWICH



POWDERED DRUGS



Over a century's experience
goes into the milling of our:

**DIGITALIS
IPECAC.
BELLADONNA
RHEI
LIQUORICE
ALOES
GENTIAN**



Send us your enquiries and orders



STAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.I. CLERKENWELL 1000

THE ORIGINAL



**Malt and Cod Liver Oil
with the flavour
that CANNOT be copied**

Sole Manufacturers
JEFFREYS, MILLER & CO. LTD
Leyland Mills, Wigan
Telephone : Wigan 2327
Telegrams : Maltum, Wigan



London Depot
19/25 Brookside Road,
Upper Holloway, N.19
Telephone : Archway 3627

THE NAME BEHIND THE CHEMIST



FOR OVER A CENTURY AND A HALF

This point-of-sale display
means quick, profitable turnover
with a minimum of effort



This simple dispenser is sturdily made of cream polystyrene (easily kept clean) and occupies the minimum counter space (only $8\frac{1}{8}'' \times 6\frac{5}{8}''$). It promotes self-service and saves valuable time, enabling you to profit to the full from the national advertising which has made MEGGEZONES Britain's best selling preparation of its type for coughs, colds and catarrh. The dispenser is available without charge from your Meggeson representative, with orders for 12 dozen tins. Apply to him now.

MEGGEZONES PREPARATIONS



REPAY EVERY DISPLAY

Meggeson & Co. Ltd., London, S.E.16

FOR HOME & EXPORT

Tartaric Acid B.P.

Citric Acid B.P.

Hormones

Vitamin "C"

Iodides



**M.W.HARDY
AND COMPANY
(OVERSEAS) LTD**

★ We can
supply these
and many other
items advan-
tageously.

PINNERS HALL · GT WINCHESTER ST · LONDON · E.C.2

TELEPHONE: LONDON WALL 7131

When equilibrium is disturbed

Modern transport entails rapid alterations of position to which the traveller's righting mechanisms cannot quickly adjust themselves.

For the prevention as well as the treatment of nausea and vomiting during the period of adjustment 'Avomine' has been found most effective, and is increasingly prescribed.



'AVOMINE'

trade mark

Promethazine-8-Chlorotheophyllinate

brand

Containers of 10 x 25 mgm. tablets

Retail price 3s. 6d. Exempt from Purchase Tax

To be sold on prescription only



manufactured by

MAY & BAKER LTD

distributors

MA48632

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM



Now Available to all Chemists

'NIAGARA' Brand Blackcurrant Syrup is rich in Vitamin C and is thus specially suitable for children, invalids and nursing mothers. It contains not less than 20 mgms. Ascorbic Acid per fluid ounce, and sufficient is now available for all to be supplied.

RETAIL PRICE 2/10 PER BOTTLE

Sole makers

BARNETT & FOSTER LTD.
NIAGARA WORKS · EAGLE WHARF ROAD · N.I.

Established in the Year 1858

A Nationally approved selling line returns!

Ingram's

**AGRIPPA
SPIRAL GREEN BAND
TEATS & VALVES**

PAT N° 498456



Ingram's, famous for over a hundred years for their Surgical Rubber Manufacturers, take pleasure in announcing the return of one of their Agrippa Teat series, the Spiral Green Band Teats and Valves. Nationally approved by nursing and clinical authorities and a best seller before the war, they are meticulously made from pure transparent rubber in four shapes, all of which are designed to ensure an even, natural flow. The special spiral band holds teats firmly on bottles and will not accidentally pull off. Each teat packed separately in a carton. Now being supported by press advertising which will be increasingly developed.

THIS TRADE MARK
GUARANTEES THE QUALITY

Ingram's
LONDON.

J. G. INGRAM & SON LTD., LONDON, E.9

Get ready for BIG **THERMOGENE** **SALES**

100

RHEUMATISM, FIBROSITIS, LUMBAGO.
BRONCHITIS & CHEST COLDS.



**Order now at best Window
Display Terms from our
representative or direct from
J. C. ENO LTD WATFORD HERTS**

The
BARTLETT SERIES
 OF
*Nail
 White
 Pencils*

**The Perfect Manicure
 Pencil for Whitening
 the Nails**

also

THE BARTLETT SERIES
 of the

Perfect Eyebrow Pencil
 in Black, Brown and Dark Brown

4/- dozen plus Purchase Tax
 Fixed price to public 10d. each

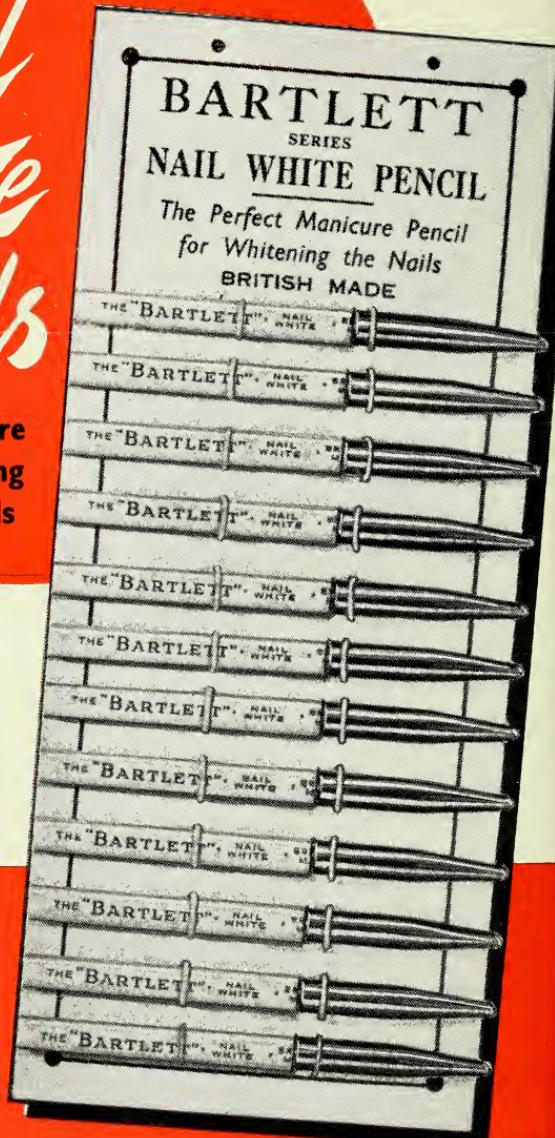
ORDER FROM
 YOUR USUAL WHOLESALER

Wholesale enquiries to:

**ALFRED FRANKS
 & BARTLETT**

CO., LTD

**AUDREY HOUSE, ELY PLACE,
 LONDON, E.C.1 Tel:- HOLborn 1078/9 (Px)**



3 GOOD TIPS THAT HAVE INCREASED TURNOVER



Introducing Toilet and Bath Spontex to customer buying toilet soap.



Introducing Cosmetic Spontex to customer buying make-up or setting lotion.

SPONTEX MEANS BUSINESS—new business from every type of customer you serve. Here are 3 suggestions showing how extra sales are made by introducing Spontex. Yes Spontex certainly means new trade—new profits. Order through your usual supplier.

Introducing Baby Spontex to customer buying baby powder.



ANOTHER SPONTEX SALES AID!

A colourful card, fixed in a second, turns your Spontex Counter Dispenser into a Special Christmas Display Gift. When the Spontex representative calls, ask him to show you.

Spontex THE NEW HYGIENIC **SPONGE**
MADE IN GT. BRITAIN BY
SPONCEL LTD., WOLDHAM ROAD, BROMLEY, KENT

In so many matters your customers rely on you...

**DO YOU KNOW WHY
KEMDEX
IS THE BEST
DENTURE CLEANSER?**



1 Every dentist will agree that the immersion method is the only thorough way to clean dentures. Kemdex's alkaline solution gets quickly yet gently to work and penetrates into every cranny and crevice in a way no other method can do.

3 Dentures are scientifically designed and delicately made for individual use: cleaning with Kemdex avoids rough brushing and harsh abrasives—and ensures that they remain in surgery-fresh condition.

2 Regular use of Kemdex will keep dentures sparkling white and free from even the most insistent stains: for stains begin wherever film has formed, and Kemdex attacks and washes away mucin-film in its earliest stages.

4 Although Kemdex is concentrated for economy in use, it is absolutely harmless to every known type of denture material—and is particularly suitable for cleaning dentures of vulcanite and modern plastics.

5 The name behind the product—that of Scott and Bowne Ltd.—is a guarantee of the highest quality.

That is why . . . ——————
you can confidently recommend

KEMDEX

THE DENTURE CLEANSER MADE
BY SCOTT AND BOWNE LIMITED





Britain's
new fast-selling
shampoo

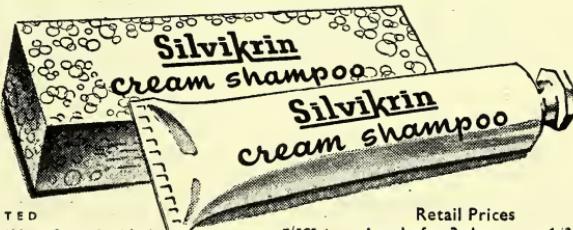
Young, charming theatre-
designer Janet Munro Kerr is
another of Britain's up-and-coming
girls who has greeted Silvikrin Cream
Shampoo with real enthusiasm.

I hope you sell
the superb new
Silvikrin
cream shampoo !

Right from the first day Silvikrin Cream Shampoo has fulfilled our Sales Manager's fondest dreams. It's selling *and* selling because it meets a real need—a perfect cream shampoo by *Silvikrin*. Display it on your counter and see the result. Janet Munro Kerr is one of the many, many charming women whose natural appreciation of excellence has made Silvikrin Cream Shampoo an immediate success.

Britain's brightest girls are buying it !

**BRITAIN'S BRIGHTEST
STOCKISTS ARE
SELLING IT !
SELLING—
SELLING**

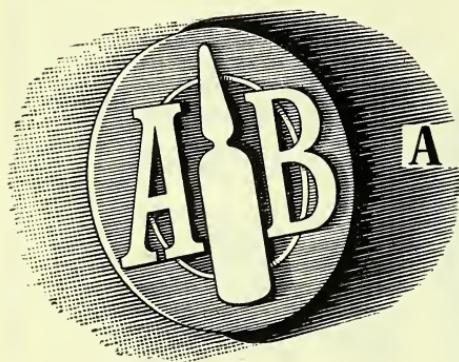


SILVIKRIN LABORATORIES LIMITED

Sole Selling Agents: Prichard & Constance (Manufacturing) Ltd.,
County Building, Honeypot Lane, Stanmore, Middlesex. WORDsworth 4321

T/SCS-4

Retail Prices
Ample for 3 shampoos 1/3
Double Quantity 2/-



A SYMBOL IS MORE THAN A SIGN

To the psychologist a symbol is not merely a static sign but a dynamic experience. Similarly, to the doctor and pharmacist the symbol "A.B." portrays far more than can be expressed in rational words.

The preference for Insulin A.B. among doctors in all parts of the world is based on trust and experience—on the knowledge that the mark "A.B." signifies all that can be

INSULIN A.B.

desired in quality and performance.

INSULIN A.B.

Globin Insulin (with zinc) A.B.

Protamine Zinc Insulin A.B.



Joint Licensees and Manufacturers

ALLEN & HANBURYS LTD. : THE BRITISH DRUG HOUSES LTD.

A new formulation of 'Cetavlon' (Cetrimide B.P.)—

the quaternary ammonium compound which is already well known to pharmacists as a bactericide and detergent.



*Tubes of 50 grammes.
Retail Price 2/3 each.*



'CETAVLEX' CREAM, containing 0.5% 'Cetavlon' in a water-miscible base, is now being introduced to the medical profession as a germicidal application for the control of infection in wounds and burns and the treatment of various infections of the skin.

A valuable addition to every First Aid Box. 'Cetavlex' Cream can be recommended with confidence for general antisepsis and healing—in hospital, in the factory and in the home

'CETAVLEX' CREAM

TRADE MARK

From your wholesaler or, in case of difficulty, apply to your nearest I.C.I. Sales Office—London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublin.

IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED

A subsidiary company of Imperial Chemical Industries Limited *Wilmslow, Manchester*



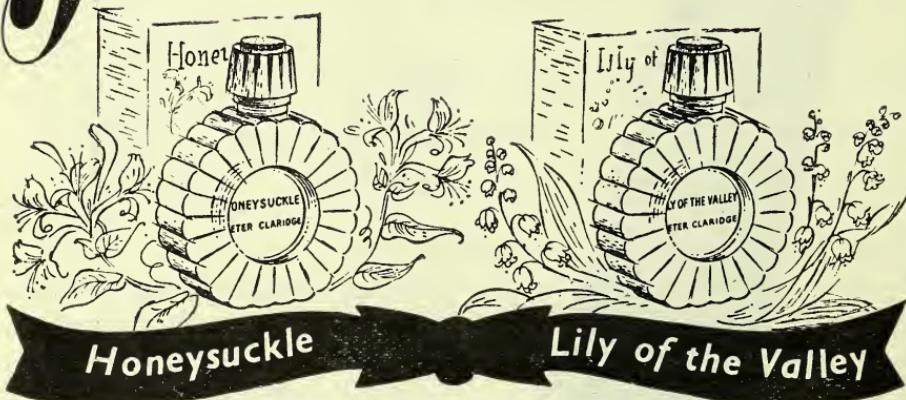
Ph.251

BLOWING YOUR WAY

TWO NEW TRUE

Flower perfumes

BY A MASTER PERFUMER



This autumn two new perfumes—true flower perfumes, as beloved by English women—have been launched by perfumer **Peter Claridge**.

This is something new, and women like it. They like the size of the bottle—-attractively generous. And the pack—pretty and eye-catching. And the price at 3/-, well within their reach. They are being reminded all the time of these two new flower perfumes by the strong advertising that has been flooding the most widely-read women's magazines since September, and which is still going on. Yes, this is the time of the year ! Be prepared for it. Keep well supplied with these two new perfumes. TRADE PRICE 14/6 per dozen plus Purchase Tax.

Peter Claridge

NEW BOND ST.

LONDON, W.1

The pancreatic enzymes

**TRYPSIN
and
AMYLASE**

contained in *Benger's Food* produce controlled pre-digestion of protein and starch thus greatly relieving the strain which would otherwise be placed on the impaired digestion during convalescence.



BENGER LABORATORIES LIMITED
HOLMES CHAPEL, CHESHIRE, ENGLAND

MEET "Sanico" It's **NEW** and **DIFFERENT**

-and outstanding
value in medium
priced rolls



RETAIL PRICE

1'3

AN ENTIRELY NEW TYPE
OF TOILET TISSUE
by the makers of

Bronco

Unfortunately, due to world shortages we are still unable to supply, in full, the huge demand for BRONCO, but retailers will find in SANICO a worthy substitute, which we can offer in unlimited quantities.

Enquiries are invited.

THE BRITISH PATENT PERFORATED PAPER CO. LTD.
HACKNEY WICK, LONDON, E.9

CARNEGIE

Manufacturers of Fine Chemicals



specialize in the manufacture of

AMINOPHYLLINE

• • •

CAFFEINE ALKALOID
and its Salts

• • •

HYDANTOIN DERIVATIVES

• • •

PARA-AMINO-SALICYLIC ACID
and its Sodium Salt

• • •

THEOBROMINE ALKALOID
and its Salts

• • •

SYNTHETIC ORGANIC
CHEMICALS

• • •

ETC.

•

CARNEGIE ORGANICS LTD

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

TELEGRAMS: CARNEGIANIC, WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

A 'CARNEGIES OF WELWYN' COMPANY

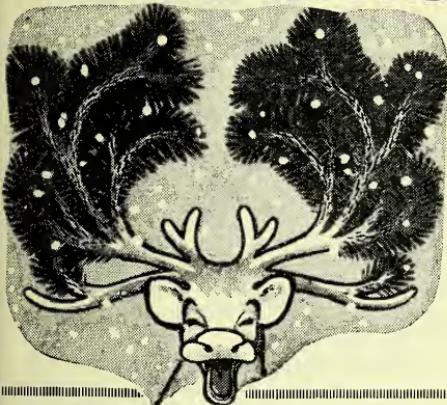
FRANK
MACOWAL
& YANATAS
LTD.

MANUFACTURING CHEMISTS

invite enquiries for the
manufacture of Pharmaceutical
preparations, Liquids,
Tablets, Vials, Ampoules
and all sterile preparations.

WILLSHAW STREET, LONDON, S.E.14. Phone: TIDeway 3846

Christmas



CHRISTMAS TREE GIFT SET

A popular gift. Containing a Handbag Phial and a bottle of matching Perfumed Cologne. In all Goya fragrances. Retail price 6/6. Trade price 31/6 per dozen.

HANDKERCHIEF AND PERFUME GIFT SET

A pretty coloured handkerchief and a phial of perfume. Available in all Goya fragrances. Retail price 5/6. Trade price 31/- per dozen. N.B.—Perfume subject to 100% P.T.—Handkerchiefs to 33½% P.T.

CHRISTMAS CARD

Fragrant greetings perfectly expressed, with Goya's two-phial Christmas Card. Packed in a box ready for posting. Retail price 6/-. Trade price 29/- per dozen.

CRACKER

Gaily coloured crackers each containing two Handbag Phials of luxury perfume. Retail price 6/-. Trade price 29/- per dozen.



GOYA COLLECTION

Three Handbag Perfume Phials in an attractive gift-pack tied with a silk cord. Two assortments. Retail price 9/-. Trade price 43/6 per dozen.

PERFUME QUARTET

Four Handbag Perfume Phials packed in an attractive case which may be used to hold twelve cigarettes. Retail price 12/9. Trade price 61/9 per dozen.

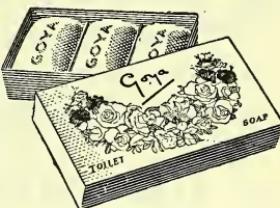


Something for everyone . . . something to suit every taste, every pocket, in Goya's wide range of lovely products. Goya gifts range in price from 3/- to £3 and are top favourites with women of all ages. They're heavily advertised . . . be sure you're well stocked to meet the Christmas rush. Prepare now for a wonderful Goya Christmas.

And here are nine of the lovely Christmas gifts which your customers are going to see advertised everywhere . . . they will rocket your Christmas sales.

SOAP

In six exquisite fragrances. Gardenia, Yellow Gorse, Blue Moss, Pink Mimosa, 'No. 5' and Great Expectations. Packed in boxes of three. Retail price 1/8 per tablet. Trade price 12/- per dozen.

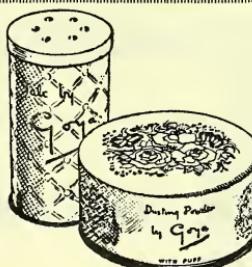


TALC

A happy solution to Christmas giving. In all Goya fragrances. Retail price 3/9. Trade price 18/- per dozen.

DUSTING POWDER

Delightfully fragrant after-the-bath luxury. Made to match all Goya fragrances. Retail price 9/6. Trade price 46/- per dozen.



Goya



Sensitive skins

Cuticura Shaving Soap is mildly medicated . . . your customers will thank you for introducing them to the perfect stick for tender faces. The black and orange plastic holder for this large sized stick attracts the eye: display cartons with each half-dozen make them easy sellers at your counter.

National advertising supports your sales.

Cuticura Shaving Sticks retail at 2/2 (Inc. P.T.)

Trade price 15/6 doz. P.T. 5/2 doz.

Cuticura

MILDLY MEDICATED
SHAVING STICK

DON'T FORGET QUICK SELLING CUTICURA SOAP

Order to-day from NEWBERRY & PHILLIPS LTD.
Victoria House, Southampton Row, W.C.1. tel. 1564



Most of the training necessary to qualify for a Diploma in Chiropody can now be taken at home by specialised correspondence lessons. Fullest particulars of how to enter this highly-paid profession from:

SCHOOL OF SURGICAL CHIROPODY

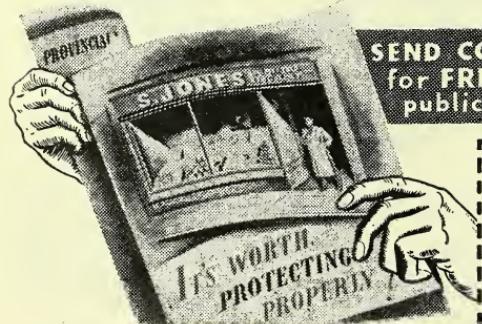
(Dept. CD).

LEATHERHEAD, SURREY

A CHEMIST'S business

ought to be fully insured. The "Unity" policy covers all these risks more economically and conveniently than separate policies—one policy, one premium. You need not wait until existing policies expire—premium allowance can be made for these. Post the coupon below for a full answer to your insurance problems.

The Provincial "UNITY" Policy



SEND COUPON NOW
for FREE COPY of this publication

Please send me free copy of your folder describing the Provincial "Unity" Insurance Policy.

Name

Address

Trade

C.I.

They're new!

They're different!

They're Johnson & Johnson!

Johnson's HANDKERCHIEF TISSUES

Here's great news—not to be sneezed at! Johnson & Johnson, makers of Modess—the world's finest sanitary towel, and a host of other pharmaceutical products of world-wide reputation for quality, now introduce the best of all handkerchief tissues.

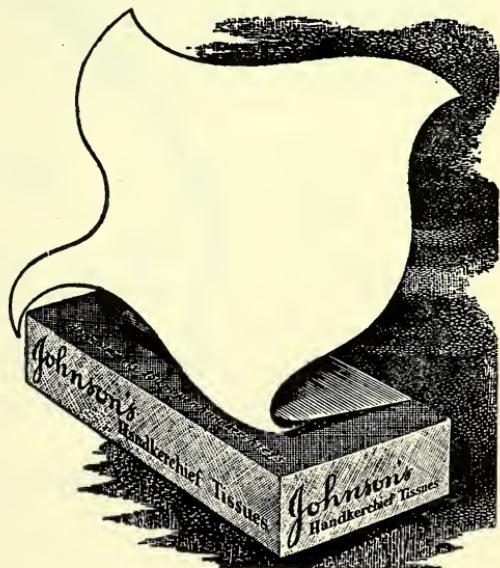
As you will expect from a Johnson & Johnson product, these tissues are stronger, more hygienic, more tender to the touch and more economical, too.

Dominant advertising will include an intensive show of roof cards on London's Underground which will be seen by over 23 million passengers every week! And one million Modess users will see the special tissues leaflet going out in every packet of Modess.

Order your supply of Johnson's Handkerchief Tissues and display them prominently.

Trade	Retail
1 case and over 18/- Under 1 case 19/-	2/3d.

Terms: Nett



Portrait of a Winner...

The soaring sales of this remarkable new French Hair Colour Rinse show the enthusiastic welcome Coloral has received from women all over the country. If you are not stocking it you are missing rewarding profits. Show it — and it sells! Get a stock from your wholesaler now!

COLORAL Liquid HAIR COLOUR-RINSE

Made in six shades:—Deep Brunette, Very Brown, Hazel Brown, Burnished Gold, Auburn, Steel Blue.

RETAILING AT 1 3d. PER CARD OF TWO RINSES.

Packed and distributed in Great Britain by

GOLDEN LTD · 2/4 DEAN STREET · LONDON · W.I · TEL: GERRARD 4926



TRADE PRICE 6/- per dozen cards
(plus 100% tax) in boxes of two dozen
cards of any one shade, or in a fixed
assortment of two dozen.

Recommend

Rayner's

Lembar

*all the year
hot or cold*

Lemons

Glucose

Scotch Barley

Sugar

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.18



Conker Time is 'Kepler' time! With winter near, it's none too soon to start reminding mothers of the good that 'Kepler' does—in giving extra nourishment, promoting sturdy growth and building up defence against infection. The lessons of last winter's influenza epidemic will influence many mothers to buy 'Kepler' for their children—yes, and for the grown-up members of their families too. Prudent pharmacists will therefore lose no time in checking stocks and placing orders.

'KEPLER'

Cod Liver Oil with Malt Extract



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

*Orally active peripheral
VASODILATOR*

PRISCOL

RAYNAUD'S DISEASE

and

INTERMITTENT CLAUDICATION

in

Buerger's Disease and

Arteriosclerotic conditions

*In elderly patients with peripheral vascular disease
Priscol permits a much more active existence and delays the
sequelae of arteriosclerotic changes*

TABLETS 25 mg.

40 (4/6), 200 (20/3), 1,000 (90/-)

AMPOULES 25 mg. OINTMENT 10% SOLUTION 10%

6 (14/6) 20g. (5/9) 10c.c. (7/6)

Retail Discount 33½% ; Exempt From Purchase Tax

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Now! Max Factor HOLLYWOOD Revolutionizes SKIN CARE WITH THESE AMAZING NEW LINES



SATIN FLOW CLEANSING CREAM

Facial cleansing is easier and quicker with Max Factor's wonderful new flowing cream. Smooths on instantly . . . penetrates faster . . . removes make-up quickly, thoroughly . . . leaves the skin clean, cool and refreshed. A certain *extra* sales-builder for you!

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To guard against dry skin at night-time all your customers have to do is simply stroke Max Factor's amazing new, concentrated night cream over face and throat. It keeps complexions softer, smoother and younger-looking. It is easier, neater, nicer to use. Yet another sales winner from the "House of Firsts".



For the first time a night cream in STICK FORM.

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Beauty Care Streamlined for the Woman of To-day

by
Max Factor
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WHIFFEN AND GENATOSAN FINE CHEMICALS FOR INDUSTRY

*Sodium Thiocyanate · Sodium Cyanate
Synthetic Oil of Mustard*

*Cholic Acid · Dehydrocholic Acid
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BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.

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2 oz. Printed Containers

PER 10/- DOZ.

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PER 5/6 DOZ.

SPECIAL QUANTITY DISCOUNT available
ORDER NOW for immediate or
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The scientifically balanced, antiseptic and deodorant contraceptive tablet. Spermicidally efficient and recommended extensively by the medical profession.

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3 doz. tubes at 31/6 per doz. less	5%
6 doz. " " " " "	7½%
12 doz. " " " " "	12½%

Retail price 3/6 per tube of 12 tablets.

Order from your wholesaler.



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The Silky Soft Absorbent Tissue that is preferred



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Tissues have come to stay—it's just a case of selling the **BEST** to make and keep customers. **VANITY** are produced by **THE PAPER SPECIALISTS** — packed attractively and come to you in display cartons worthy of your windows and counters.

POCKET PACK for Travel, School, etc
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BOUDOIR CARTONS (100 in White or
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The Model S.C. flask is of 1 pint capacity and of pleasing design with a quality finish in durable enamel.

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In the balance

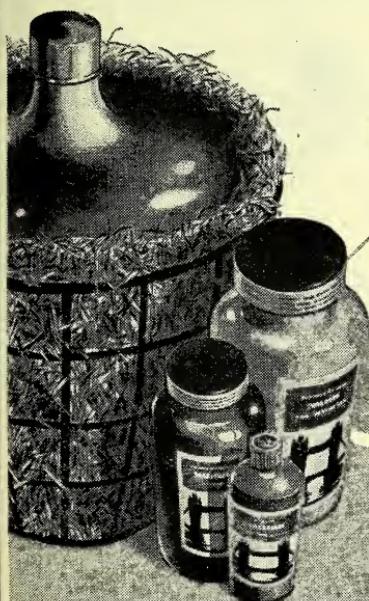
The dispenser knows how much depends upon scientific exactness—
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ultimately be 'weighed in the balance'..... for he knows how
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In
amber glass
with
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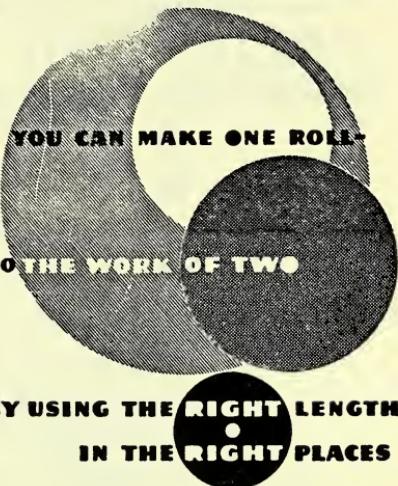
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By using one of the Camberwell Beauty Sealing Machines you avoid tape wastage. The Automatic Cut gives you the required length of Gumstrip correctly moistened for any carton or package.

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**“RED BAND”
BISMUTHATED MAGNESIA**



**“TOXORB”
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A Christmas Bathing Beauty

This new Ebe Showcard is a particularly attractive reminder that Ebe Bath Powder and Ebe Bath Flowers are still the best buy for Christmas. Popular prices, exquisite presentation, in fact the gift that always appears to be worth so much more than it actually costs.

“GREETINGS” BOXES (8 envelopes, 3 colours) 6/11. New and irresistibly attractive. A printed acetate box, adorned with ribbon contains 8 envelopes of Ebe Bath Powder. **“GREETINGS” BOXES** (4 envelopes, 3 colours) 4/11 as above but half the size. Ready October 1st.

“RED BAND” MAGNESIA

Size	Cost incl. P. Tax	Gross Profit on Sale
7d.	4/8 doz.	33½%
1/-	6/8 "	44%
1/8	13/4 "	33½%

“TOXORB” (Powder & Tablets)

Size	Cost incl. P. Tax	Gross Profit on Sale
2/-	16/8 doz.	30%
3/6	29/4 "	30%

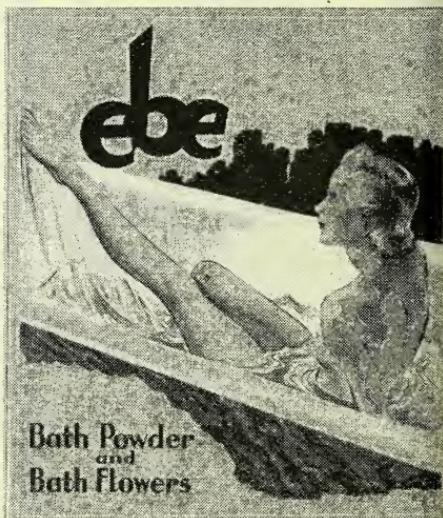
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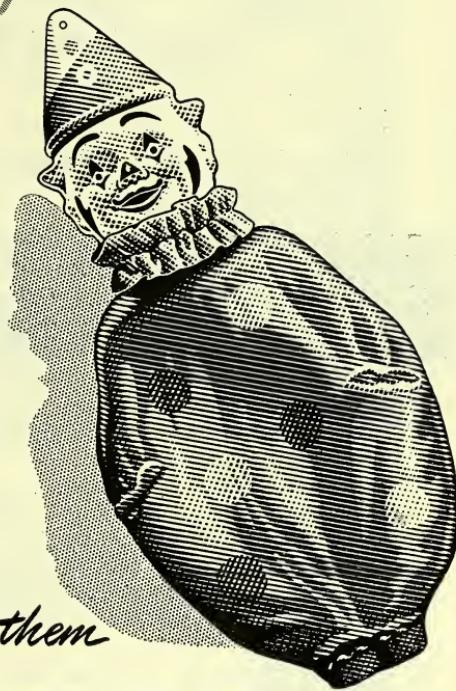
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*Put them in your window now
they won't stay there for long*

hey're Dunlop Kiddies Hot Water bottles—and from Mid-November Christmas an extensive NATIONAL ADVERTISING CAMPAIGN will boost your Christmas sales. Kiddies love these hot-water bottles—and parents find them attractive, too. Yes. Dunlop Kiddies Hot Water bottles will be a "Hot" line in more senses than one this Christmas.



Show them—and sell them

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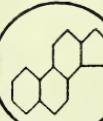
Children's

HOT WATER BOTTLES

RED RIDING HOOD • CLOWN • DOGGY • KITTY • TEDDY AND BUNNY STYLES
Obtainable from your usual wholesaler

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POLAWAX

THE NON-IONIC EMULSIFYING WAX

Polawax contains no soaps, sulphated alcohols, or inorganic salts. Stable at high temperatures, its emulsions (o/w) do not alter in pH value on sterilization.

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A cleansing tonic for dandruff and scurf, it stimulates the roots thus preventing loss and thinning of hair.

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FOR THE HAIR

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SAMCO Atomisers and Sprays differ from types in general use in that each model is a Scientific Instrument specially designed to handle all types of spraying compounds without the necessity to adjust the nozzle of the instrument in any way.

Each instrument is manufactured and assembled to mathematically exact limits thereby assuring uniform performance.

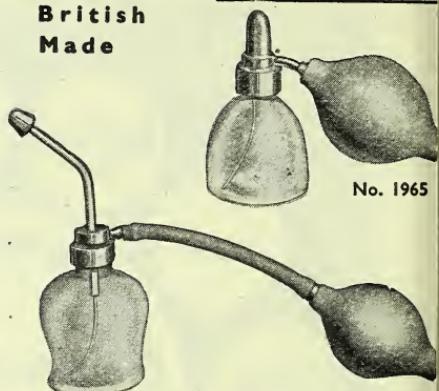
Materials of the finest quality only are used and all components in direct contact with fluids are made of pure nickel, which is impervious to every known substance used in medical prescriptions.

All components are heavily chromium plated.

All SAMCO models are pressure operated, thus ensuring complete atomisation.

Entirely
British
Made

N.H.S. Pattern



No. 1965

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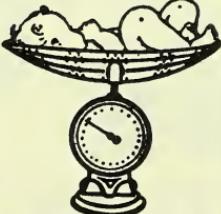
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Does not contain any Scheduled Poison

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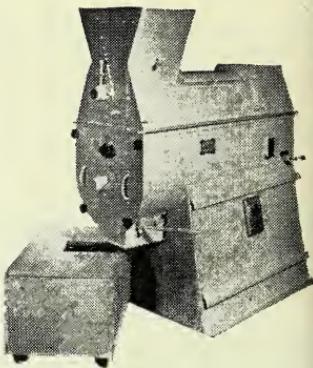
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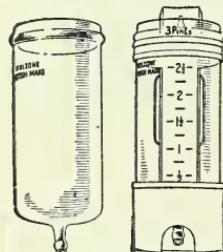
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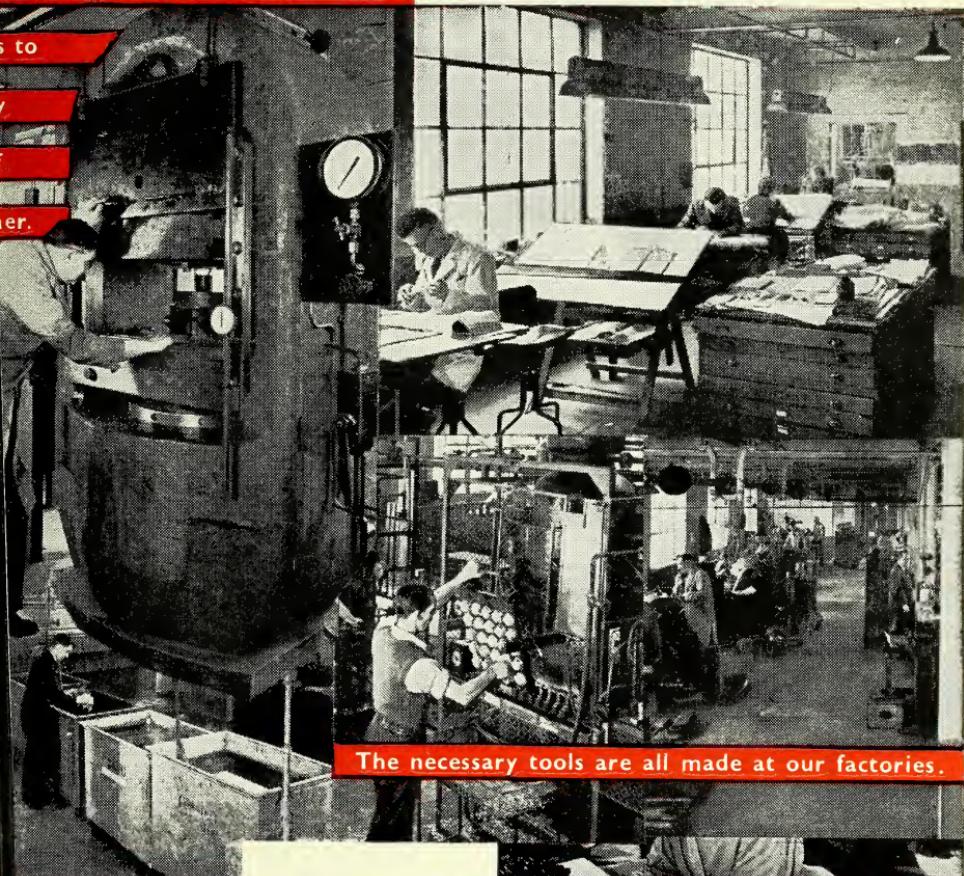
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can supply moulded
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ock moulds in opaque
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CLOSURES
The Perfect Pair

the best liner for your product and

after the closures are moulded they

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Grams: UNGLABOMAN, LESQUARE, LONDON

NOT THE BIGGEST BOTTLE..

...but the
Greatest Value
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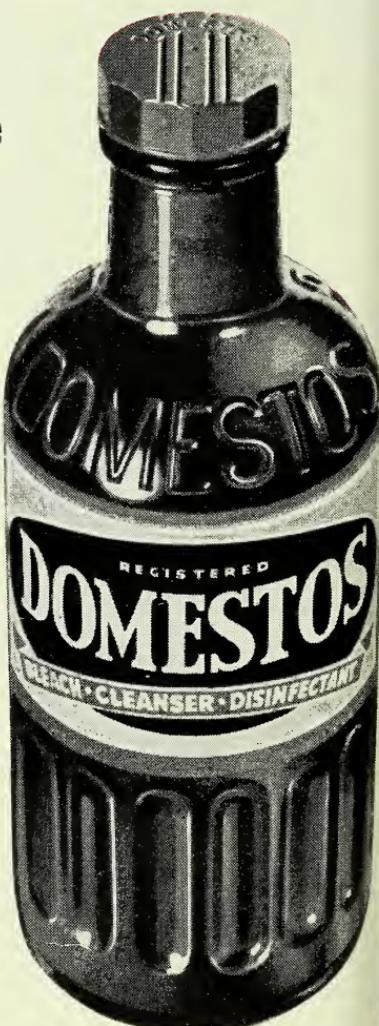


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The distinctive
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vans in which all
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millions of satisfied users all over Britain.



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Medical and Pharmaceutical GLASS CONTAINERS

OF QUALITY-WITH SERVICE BEHIND THEM!

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1-oz. to 20-oz. Plain-Cork Mouth or Screw. Graduated Cork Mouth only.

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Cork Mouth or Screw.

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Nos. 1 to $7\frac{1}{2}$ sizes.

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quid

pro



quo

quid pro quo

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But recently there has been a tendency to regard the offer as one of a cash discount depending only upon the size of the parcel bought. I.C.C. have no quick means

of judging how widespread this tendency may be . . . so now, in order to clear any doubts, the I.C.C. Display Bonus terms are here clearly set out :—

quid

• • • what we ask from you . . . 14 days window display, including "KOLYNOS" DENTAL CREAM, "ANADIN" and "BiSoDoL", after you have received your special bonus parcel.

These 14 days of display will help you reap the greatest advantage from the very extensive I.C.C. advertising that is directing purchasers all the time to *your* counter.

quo

• • • in return for your undertaking to give 14 days display following the delivery of the parcel, I.C.C. give these special window display bonus terms :—

On a parcel of more than £5 but less than £10 in value 10%

On a parcel of the value of £10 and over 12½%

ICC WINDOW DISPLAY BONUS

INTERNATIONAL CHEMICAL COMPANY LIMITED
CHENIES STREET, LONDON, W.C.1

Ortho

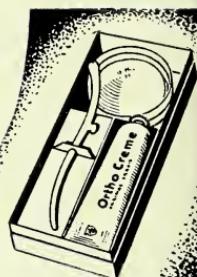
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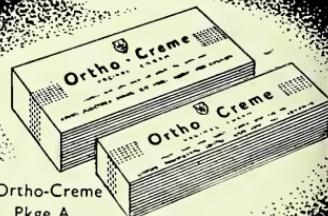
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(Sizes 55-95)



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Pkge A
(with applicator)
Ortho-Gynol
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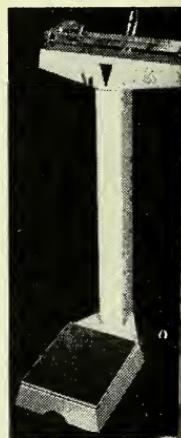
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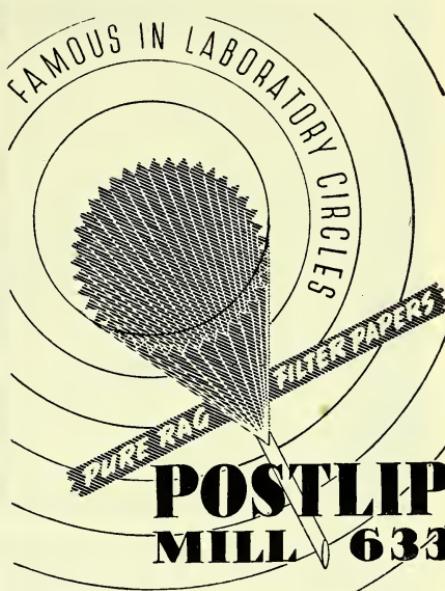
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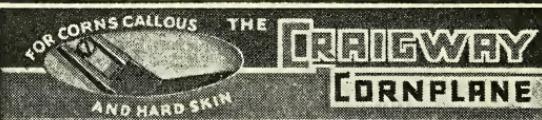
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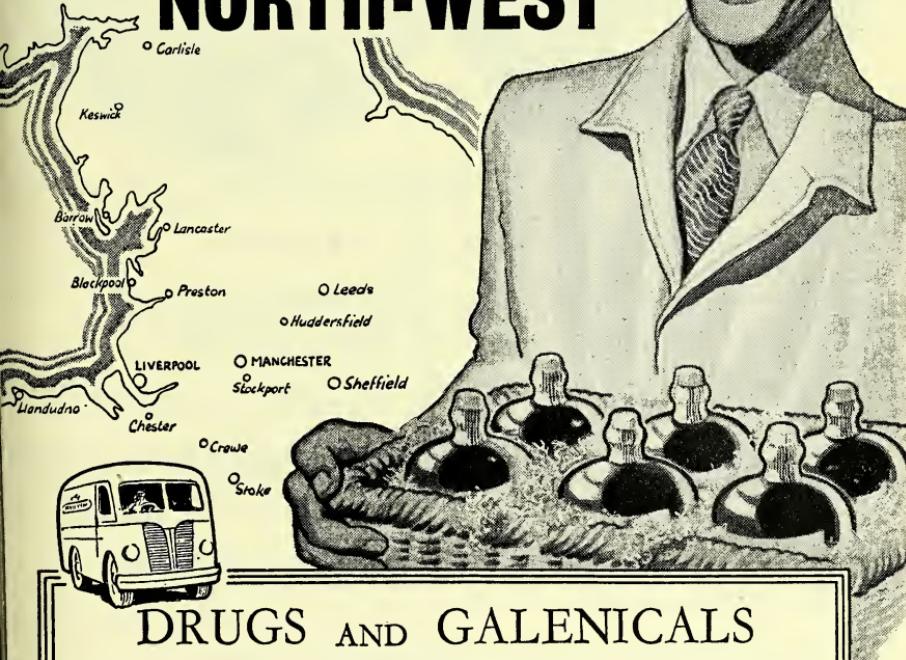
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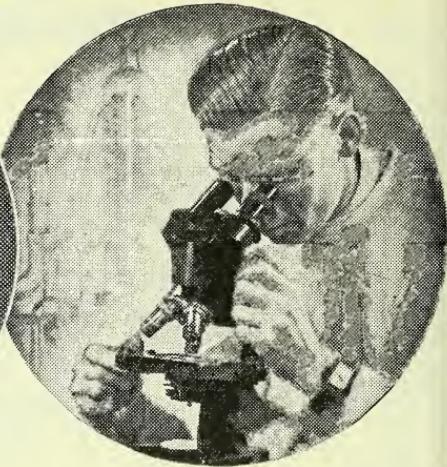


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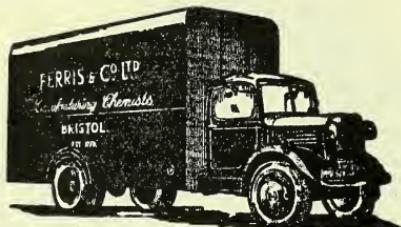
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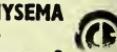
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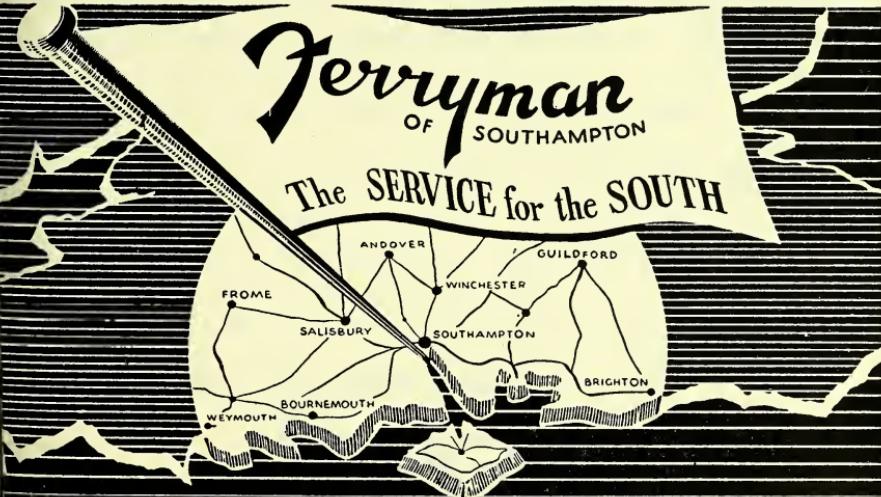
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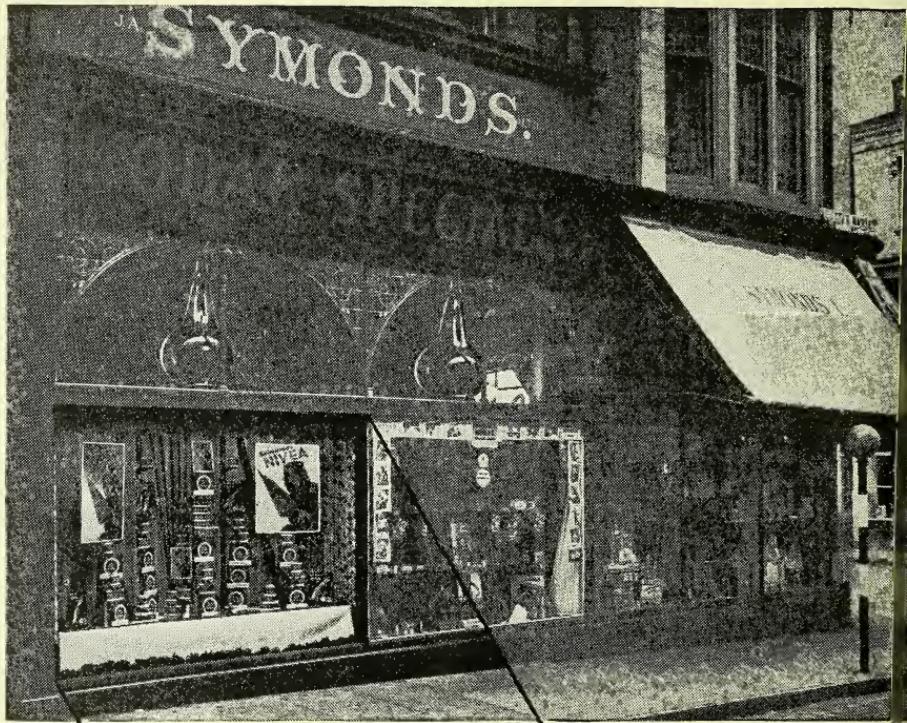
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